

20010112.qrp v02\_n065.qrl.20010112

Date: Fri, 12 Jan 2001 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2065

QRP-L Digest 2065

Topics covered in this issue include:

- 1) [88397] N2DAN Mercury Psaddles  
by Michael Goins <mgoins@usa.net>
- 2) [88398] Re: Harbor Freight Punch  
by "E. Roswell" <eroswell@monmouth.com>
- 3) [88399] Re: Harbor Freight Punch  
by "Jim Thiessen" <jthiessen@videotron.ca>
- 4) [88400] Other Active Mixers  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 5) [88401] Substitute preamp kits for mikes  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [88402] Re: 38 special  
by RangerSF5@aol.com
- 7) [88403] Lesson learned from cute swap meet rigs that "need a little work"  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 8) [88404] 38 Special gone to VE3 lander  
by RangerSF5@aol.com
- 9) [88405] Re: Lesson learned from cute swap meet rigs that "need a little work"  
by "ZOOM" <kandRparker@sympatico.ca>
- 10) [88406] THE 38 SPECIAL IS GONE  
by RangerSF5@aol.com
- 11) [88407] The January QRP Quarterly Is On Its Way!  
by "Craig W. Behrens" <craigwb@hiwaay.net>
- 12) [88408] FOX Madhouse!  
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [88409] thanks  
by "Mark Paley" <mpaley@wcnet.org>
- 14) [88410] Stripping Teflon  
by n2go@arrl.net
- 15) [88411] Help needed--Altoids Tins  
by W2SH@aol.com
- 16) [88412] Re: Shack Cleaning Time  
by Richard Arland <rarland@earthlink.net>
- 17) [88413] Re: Harbor Freight Punch  
by "Phinizy, William" <wphinizy@filenet.com>
- 18) [88414] Too good to be true?  
by Steve Bauder <sbauder@win.bright.net>
- 19) [88415] Re: Too good to be true?

by "ZOOM" <kandRparker@sympatico.ca>  
20) [88416] for sale  
by Gsdavis7070@cs.com  
21) [88417] KF4AR da Fox - missed  
by "Jerry Scherkenbach" <jerrys@execpc.com>  
22) [88418] Re: KF4AR da Fox - missed  
by "George, W5YR" <w5yr@att.net>  
23) [88419] Re: Arkiecon 2001  
by "James R. Duffey" <jamesd1@flash.net>  
24) [88420] Re: Arkiecon 2001  
by "George, W5YR" <w5yr@att.net>  
25) [88421] Re: Arkiecon 2001  
by "Don Wines" <dwines@tyler.net>  
26) [88422] fs  
by Gsdavis7070@cs.com  
27) [88423] Re: KF4AR da Fox - missed  
by "Conard Murray" <cmurray@cookeville.total-web.net>  
28) [88424] for sale  
by Gsdavis7070@cs.com  
29) [88425] Re: Arkiecon 2001  
by "Ed Rowan, AC5DC" <ac5dc@ipa.net>  
30) [88426] Re: Buckeye Electronics Closed  
by bruceshaw@juno.com  
31) [88427] Fox caught, barely  
by "Bob Tellefsen" <n6wg@earthlink.net>  
32) [88428] Re: SDRV analyzes nicely.  
by "Adrian Weiss" <aweiss@usd.edu>  
33) [88429] Re: FOX Madhouse!  
by "ListeningPost" <cqdx@teleport.com>  
34) [88430] K2 does good tonight on 75m  
by "ListeningPost" <cqdx@teleport.com>  
35) [88431] Re: Lesson learned from cute swap meet rigs that "need a little work"  
by "Dave Fifield" <ad6a@earthlink.net>  
36) [88432] Re: Stripping Teflon  
by "Leon Heller" <leon\_heller@hotmail.com>  
37) [88433] Re: Other Active Mixers  
by "Leon Heller" <leon\_heller@hotmail.com>  
38) [88434] Re: Other Active Mixers  
by "Chuck Carpenter" <w5usj@globeco.net>  
39) [88435] Re: KF4AR da Fox - missed  
by Macstein@aol.com  
40) [88436] Re: KF4AR da Fox - missed  
by "Karl F. Larsen" <k5di@zianet.com>  
41) [88437] Re: Help needed--Altoids Tins  
by "E. Roswell" <eroswell@monmouth.com>  
42) [88438] Re: KF4AR da Fox - missed  
by "K3NG" <k3ng@fast.net>  
43) [88439] Re: KF4AR da Fox - missed

by ed.kwik@delphiauto.com  
44) [88440] Ten-Tec RX-320  
by Roy <marion@montana.com>  
45) [88441] CW Side Swipers . . .  
by John R Kirby <n3aaz-qrp@juno.com>  
46) [88442] 30m Report  
by "Brian" <brian@iquest.net>  
47) [88443] Re: KF4AR da Fox - missed  
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
48) [88444] OT: Searching for an NBC Producer  
by Bill Lazure <n2tpa@juno.com>  
49) [88445] Bicycle to FDIM  
by "Kenneth Evans" <w4du@bellsouth.net>  
50) [88446] Re: KF4AR da Fox - missed  
by Bruce Rattray <rattray@gpfn.sk.ca>  
51) [88447] On Searching/Viewing Patents  
by "Brad Hernlem" <alihernlem@hotmail.com>  
52) [88448] "QRP" becomes official California state policy  
by Wayne Burdick <n6kr@elecraft.com>  
53) [88449] Re: "QRP" becomes official California state policy  
by "Mike Yetsko" <myetsko@insydesw.com>  
54) [88450] Re: "QRP" becomes official California state policy  
by Phil Wheeler <w7ox@earthlink.net>  
55) [88451] Need K1 Receiver Data from Builders  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
56) [88452] Atomic Clock Question  
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
57) [88453] Re: Atomic Clock Question  
by "John J. McDonough" <wb8rcr@arrl.net>  
58) [88454] MIQRP Contest this weekend????  
by "Adrian Weiss" <aweiss@usd.edu>  
59) [88455] Fox: early warning  
by Dan Presley <talljazz@teleport.com>  
60) [88456] Re: Atomic Clock Question  
by "George, W5YR" <w5yr@att.net>  
61) [88457] KF4AR da Fox - missed  
by Bcieslak@ra.rockwell.com  
62) [88458] Re: KF4AR da Fox - missed  
by "George, W5YR" <w5yr@att.net>  
63) [88459] Re: KF4AR da Fox - missed  
by "George, W5YR" <w5yr@att.net>  
64) [88460] Re: FYOB  
by "Bob Hightower" <nk7m@extremezone.com>  
65) [88461] Close-in dynamic range comparison: K2 vs. "big rigs"  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
66) [88462] 44 Magnum  
by Ji m <ku4qw@yahoo.com>  
67) [88463] Re: 44 Magnum

by "Brian" <brian@iquest.net>  
68) [88464] MIQRP Contest this weekend????  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>  
69) [88465] Re: Need K1 Receiver Data from Builders  
by Wayne Burdick <n6kr@elecraft.com>  
70) [88466] Re: Need K1 Receiver Data from Builders  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
71) [88467] [Fwd: MI-QRP CW Contest]  
by KB7WW Art Moe <kb7ww@chatusa.com>  
72) [88468] Re: Atomic Clock Question  
by Phil Wheeler <w7ox@earthlink.net>  
73) [88469] Definitions of RX Blocking and IMD Dynamic Range.  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
74) [88470] OT: Altoids 'Love Tin'  
by "John Burnley" <JBurnley@ifmc.org>  
75) [88471] RE: MIQRP Contest this weekend????  
by "Buck Switzer" <n8cqa@tir.com>  
76) [88472] RE: MIQRP Contest this weekend????  
by "Buck Switzer" <n8cqa@tir.com>  
77) [88473] FOX: KF4AR Foxi propagation  
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>  
78) [88474] And now to the digits again . . .  
by nilsbull@juno.com  
79) [88475] Re: MIQRP Contest this weekend????  
by Dean W Manley <kh6b@juno.com>  
80) [88476] QRO Altoids Tin  
by "John J. McDonough" <wb8rcr@arrl.net>  
81) [88477] Re: Atomic Clock Question  
by KF4YYD@aol.com  
82) [88478] Re: Atomic Clock Question  
by <igeq100@iupui.edu>  
83) [88479] Re: Atomic Clock Question  
by "John J. McDonough" <wb8rcr@arrl.net>  
84) [88480] FOX Final Log for Jan 11 Cub Hunt  
by "Karl F. Larsen" <k5di@zianet.com>  
85) [88481] eQSL's and log conversion utility  
by Jim Hale <kj5tf@yahoo.com>  
86) [88482] DSW-20 Almost gone  
by Andrew Madsen <andrew@utahdesign.com>  
87) [88483] Re: Arkiecon 2001  
by david gauding <david.gauding@bbs.galilei.com>  
88) [88484] Disturbing  
by "ZOOM" <kandRparker@sympatico.ca>  
89) [88485] Re: eQSL's and log conversion utility  
by "Pastor-KC1DI" <elbc@pivot.net>  
90) [88486] Miles per watt @ 2.4 ghz?  
by "Rich Dailey, KA80KH" <okh.npi@gte.net>  
91) [88487] NEED AN ONLINE MANUAL?

- by "ZOOM" <kandRparker@sympatico.ca>
- 92) [88488] [PROP] Weekend Outlook  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 93) [88489] Re: MIQRP Contest this weekend????  
by Bob Patten <n4bp@bc.seflin.org>
- 94) [88490] Teflon wire stripping  
by Oscar A Hoyt <k5ubs@juno.com>
- 95) [88491] Re: "QRP" becomes official California state policy  
by Bruce Grubbs <n7ceeqrp@earthlink.net>
- 96) [88492] Re: 44 Magnum  
by "pschweitzer" <pschweitzer@netzero.net>
- 97) [88493] low-noise preamps  
by Anthony Felino <anthony@pacinfosb.com>

-----

Date: 11 Jan 2001 19:16:47 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@lehigh.edu  
Subject: [88397] N2DAN Mercury Psaddles  
Message-ID: <200101112001647.9442.qmail@aw164.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

There is a N2DAN Mercury Paddle (Item #1205450634) on e-bay with a high b=  
id of  
\$385.00 at the moment and no reserve. =

mike  
wb5yjx

=

-----

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

-----

Date: Thu, 11 Jan 2001 19:25:53 -0500  
From: "E. Roswell" <eroswell@monmouth.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88398] Re: Harbor Freight Punch  
Message-ID: <3A5E4F11.AB8FFD19@monmouth.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Several of us at NJ-QRP got the 12" shear shown at:

<http://www.harborfreight.com/cpi/taf/Displayitem.taf?itemnumber=35969>

Does good with cutting PCB material & thin metal. The brake is not a bending brake as conventionally seen, but is a "vee" brake where a knife edge comes down in a "vee" slot & forces the bend. So the limitation is that the bend can go to 90 degrees, but not beyond. The assembly is heavy for a small item (heavy steel), so you have to man-handle it to your bench. Before you take it inside, though, I'd work at getting all the cosmoline (whatever gunk it is) off, so you don't mess up ur workplace. The back stop has a leadscrew but only one, and it is hard to use. We had to add a wide piece of plexiglas to raise the height of it, to ensure "catching" the rear of the piece being cut. For small pieces, I use a C-clamp to hold a stop to the front of the bed. I haven't figured out how/what to use the slip-roll for tho'!

73, Ed,

K2MGM

-----  
Date: Thu, 11 Jan 2001 19:35:32 -0500

From: "Jim Thiessen" <jthiessen@videotron.ca>

To: <qrp-1@Lehigh.EDU>

Subject: [88399] Re: Harbor Freight Punch

Message-ID: <001201c07c2f\$93059e60\$25a8c918@videotron.ca>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Hi

I did some research a while back and found out that Grizzly Industrial, Inc. at <http://www.grizzly.com/> used to sell that particular shear also. It appears they have replaced it with the G9950 7-1/2" Mini Shear Brake which sells for \$175US. Its still too expensive for me to import into Canada however....

Hope this helps, 73's

Jim, VA3KV

Rockland, Ontario

-----  
Date: Thu, 11 Jan 2001 18:57:06 -0600

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "George Heron N2APB" <n2apb@erols.com>

Cc: <qrp-1@Lehigh.EDU>  
Subject: [88400] Other Active Mixers  
Message-ID: <00de01c07c32\$959590b0\$5ac07481@rohredt2000>

Analog Devices and Maxim seem to have mixers. Has anyone investigated if they will function at HF and replace N#602 series. (not direct pin replacement, but functionally)?

72,  
Stuart k5KVH

-----  
Date: Thu, 11 Jan 2001 19:20:43 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: "Bob Hightower" <nk7m@extremezone.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [88401] Substitute preamp kits for mikes  
Message-ID: <00f601c07c35\$e23d6840\$5ac07481@rohredt2000>

Check out the audio amplifier kit from Ten Tec, T kits. Might be able to adapt it to the K2 application.

72,  
Stuart k5KVH

-----  
Date: Thu, 11 Jan 2001 20:28:30 EST  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [88402] Re: 38 special  
Message-ID: <c9.c3a0de7.278fb7be@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
The person who was sending me a check for the 38 Special must have changed his mind.  
In the meantime I looked it over.  
The TX works and it has RX noise.  
Checking with my counter I see just 1.5 KC tuning so the bug is in the VF0?  
When I plug the phones in it does key up but pushing in harder it stops keying and then I can send with it.

Sounds good on the big rig.  
It looks like this one needs all the mods added.  
I feel \$12.00 is a fair price since I need to buy some tape, get a box and packing material.  
First E mail or phone call.  
Bob  
WA2HQrp <tm>.....609-298-8544

-----  
Date: Thu, 11 Jan 2001 19:36:46 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [88403] Lesson learned from cute swap meet rigs that "need a little work"  
Message-ID: <00fc01c07c38\$20363490\$5ac07481@rohredt2000>

The continuing saga of Tim and the Radiokit rig repair should teach us all something about stripping wire at least.

(If not to avoid those cute rigs in boxes under swap meet tables! with NO docs-)

Teflon wire is great to solder, as it is often silver plated, and the insulation does not melt if you linger long on the connection with the soldering iron. (Not a good thing to do).  
However, Teflon coated wire is so hard to strip with hand held strippers, that many use a wrong setting and crush down the thing too hard and cut strands under the insulation. Or they try to strip with a dull stripper or diagonal pliers, or other inadequate means, leading to cutting all the way past insulation and nicking wires.

A very good stripping job can be done on Teflon hook up wire if you use a hot wire stripper. Now the task at hand is to invent one, that does not cost an arm and a leg like the commercial ones we use in industry.

Ideas?

Someone may have seen the old trick of a Vee cut in a metal blade bolted to a soldering iron, but does this work for Teflon?

Inquiring minds owning Teflon wire stocks want to know----

72,  
Stuart k5KVH

-----  
Date: Thu, 11 Jan 2001 20:40:20 EST  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu



Subject: [88404] 38 Special gone to VE3 lander  
Message-ID: <34.f5ece69.278fba84@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

As soon as I hit send less then a minute later the phone rang.  
The 38 Special is spoken for.  
Bob  
WA2HOQrp <tm>

-----  
Date: Thu, 11 Jan 2001 20:42:25 -0500  
From: "ZOOM" <kandRparker@sympatico.ca>  
To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88405] Re: Lesson learned from cute swap meet rigs that "need a little work"  
Message-ID: <004901c07c38\$ea719920\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I haven't tried it with teflon wire but have hda allot of success with the coax stripper radio shack sells. They have two models and I have the one with the interchangeable dye. It really works well so I suspect teflon should not be a problem. I use it for more than coax as you can tell. Before you buy, go to RS and try it there.

I hope this helps,

Cheers,  
Robert  
VE3RPF

----- Original Message -----

From: Stuart Rohre <rohre@arlut.utexas.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, January 11, 2001 8:36 PM  
Subject: Lesson learned from cute swap meet rigs that "need a little work"

> The continuing saga of Tim and the Radiokit rig repair should teach us all  
> something about stripping wire at least.  
> (If not to avoid those cute rigs in boxes under swap meet tables! with NO

> docs-)  
> Teflon wire is great to solder, as it is often silver plated, and the  
> insulation does not melt if you linger long on the connection with the  
> soldering iron. (Not a good thing to do).  
> However, Teflon coated wire is so hard to strip with hand held strippers,  
> that many use a wrong setting and crush down the thing too hard and cut  
> strands under the insulation. Or they try to strip with a dull stripper  
> or  
> diagonal pliers, or other inadequate means, leading to cutting all the way  
> past insulation and nicking wires.  
>  
> A very good stripping job can be done on Teflon hook up wire if you use a  
> hot wire stripper. Now the task at hand is to invent one, that does not  
> cost an arm and a leg like the commercial ones we use in industry.  
>  
> Ideas?  
> Someone may have seen the old trick of a Vee cut in a metal blade bolted  
> to  
> a soldering iron, but does this work for Teflon?  
>  
> Inquiring minds owning Teflon wire stocks want to know----  
> 72,  
> Stuart k5KVH  
>  
>

-----  
  
Date: Thu, 11 Jan 2001 20:54:25 EST  
From: RangerSF5@aol.com  
To: qrp-1@lehigh.edu  
Subject: [88406] THE 38 SPECIAL IS GONE  
Message-ID: <b9.a755beb.278fbdd1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Subj: Re: 38 special  
Date: 1/11/01 8:32:23 PM Eastern Standard Time  
From: kandRparker@sympatico.ca (ZOOM)  
To: RangerSF5@aol.com

=====  
I'm posting this to try to avoid getting mail bombed again.  
This person also called about 45 seconds after the post.  
The next post was timed at 8:47:27  
Bob  
WA2HOQrp <tm>

-----  
Date: Thu, 11 Jan 2001 20:13:33 -0600  
From: "Craig W. Behrens" <craigwb@hiwaay.net>  
To: "QRP-L QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [88407] The January QRP Quarterly Is On Its Way!  
Message-ID: <LPBBIKBNB00LHAAJAHJGGEJKCFAA.craigwb@hiwaay.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I want to thank the gang for being patient--the January QRP Quarterlys will be in the mail by Monday, latest.

As several of you know, I was ready 3 weeks ago, but ad layout problems, snow days and broken press equipment kept my printer from getting the job done till now.

As I mentioned to Jim Stafford last night and to Ken Evans today, it was a great disappointment to me to have these delays--like snatching defeat from the jaws of victory!

The new QQ isn't perfect. It's amazing how things pop out at you when you get something published. But, it's another major step forward--I think you'll enjoy it. And...the April issue will be twice as good again with all I learned along the way.

I'll be waiting for your comments--don't ya'll be shy now.

Cheers!

72/73 & DX,  
Craig W. Behrens--NM4T, QQ Editor  
Madison, AL

-----  
Date: Thu, 11 Jan 2001 19:31:42 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [88408] FOX Madhouse!  
Message-ID: <Pine.LNX.4.31.0101111920590.668-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Worked Rick KF4AR the Fox tonight on 7.0407 MHz about 18 after 0200 after calling Rick about 500 times. For some reason Rick is working guys right on his frequency! I called him 1 kHz high for awhile but heard him come back to guys on his frequency all the time. So I did the same and did work him.

Yesterday I forgot to use my cloudwarmer vee antenna and missed some close in Hounds in Colorado. Tonight Rick got started wrong and needs to spread out that pack of baying Hounds by working them on other frequencies.

To all future Fox's I can't say how much easier it is when you get the Hounds on a frequency away from yours and work them. They can all hear you now. Your in control Mr. Fox. Don't let the Hounds work you back to your frequency...:-)

Most important, it's a lot more fun when you can hear the Fox. Fox's make the funniest errors and you don't want to miss it.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Thu, 11 Jan 2001 22:02:45 -0500  
From: "Mark Paley" <mpaley@wcnet.org>  
To: "Low Power Radio Group" <qrp-1@lehigh.edu>  
Subject: [88409] thanks  
Message-ID: <PGEPLCEGJDMJPHIGJMDGCEPKCBAA.mpaley@wcnet.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded to my transistor substitution question. Got about 10 replies and really appreciate those folks who took the time to look up either a substitute, a source, or both. This is what amateur radio is all about.

Mark Paley--KF8KL--  
K1 #117, K2 #250

mailto:mpaley@wcnet.org  
<http://wcnet.org/~mpaley>

-----  
Date: Thu, 11 Jan 2001 22:08:31 -0500 (EST)  
From: n2go@arrl.net  
To: qrp-l@Lehigh.EDU  
Subject: [88410] Stripping Teflon  
Message-ID: <Pine.LNX.4.21.0101112157280.308-100000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

With all the fine attributes of Teflon wire come the tough ones.  
Stripping the teflon wire can be troublesome without the proper equipment.  
I usually use a heat stripper which goes through the wire "like butter".

If you or someone you know has access to an OR, there is a nifty little disposable vessel coagulator. It has a small loop of nichrome and runs off of 2 AA batteries. If you can get one without any blood or other schmutz on it, it strips the teflon also. (If you \*think\* you might use it and then change your mind :), you get a brand new unused one that would get tossed anyway....)

I have also found other items that are helpful. The Radio Shack automatic wire stripper works on 22 AWG teflon and does a fine job. On 24 and above it only strips off a couple layers :(

In a pinch I use a single edged razor. Not for fumble fingers...  
I start at an low angle, almost parallel to the wire. I find that I am less likely to cut strands off. Then I "fish" the stripped wire out of the remaining teflon. Once I lift the wire out, I again use the razor at a 90 degree angle to remove the rest. It works for me :)) Naturally, YMMV.

73,

Jim n2go

-----  
Date: Thu, 11 Jan 2001 22:19:47 EST  
From: W2SH@aol.com  
To: qrp-l@lehigh.edu  
Subject: [88411] Help needed--Altoids Tins  
Message-ID: <f4.67259e3.278fd1d3@aol.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

A couple of months ago--circa 10 November 00--there were postings regarding the smaller-sized Altoids tins. Called samplers or tiny tins, they are about a third the size of the standard-sized tins which are universally available. Although told that these have appeared at Wal-Mart, CVS and Target, I have failed to locate any in the northeast. Telephone calls to the US importer and the New Jersey distributor didn't turn up any useful leads.

Anxious to build a few QRP accessories into the tiny tins, if someone could send me a half-dozen (empty will be fine), I will gladly and fully reimburse all costs.

Please reply directly.

Advance thanks,

Charles, W2SH

-----  
Date: Thu, 11 Jan 2001 22:21:23 -0500  
From: Richard Arland <rarland@earthlink.net>  
To: rarland@earthlink.net, Eastern PA QRP Club <epaqrp-1@Lehigh.EDU>, QRP List <qrp-1@Lehigh.EDU>  
Subject: [88412] Re: Shack Cleaning Time  
Message-ID: <3A5E7833.D12CEF35@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, Gang, we're down to only three items left. The rest of the list of "stuff" has been spoken for. Here's whats left:

1. Radio Shack HTX-10, 10 meter SSB/AM/FM 25 watt transceiver (RS #99-1110). \$100.00 This is a great little rig that will run at QRP levels. I originally got it for the truck, but found I didn't use it all that much, so I took it out of the truck and it's been in the original box for about 8 months. It would make a great little IF for the new OSCAR satellite that just went up. Use it to drive transverters for satellite up/down links and for terrestrial weak signal work.

2. MFJ 1278B Multi-Mode Data Controller. CW/RTTY/AMTOR, PACTOR, PACKET, WEAFAX, etc, etc. (NOTE: this unit will NOT do PSK-31 or any of the

current crop of digital modes that use a computer soundcard and software). \$125.00 I cannot believe that nobody has snapped this up yet! This thing is in MINT condition and has all the manuals and cables in the original box! Talk about a cheap way to get into digital modes. Come on, Gang, a little support here!

3. MFJ-781 Multi-Mode DSP Filter. This is a stand alone DSP filter that works with the MMDCs like the MFJ-1278B or similar. \$50.00 DITTO above!

SPECIAL NOTE: Buy both the 1278B and the 781 together for \$150.00

If you are interested in any or all of these pieces, please reply via private e-mail.

73 Rich K7SZ

-----  
Date: Thu, 11 Jan 2001 19:21:17 -0800  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [88413] Re: Harbor Freight Punch  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76924@hq-expo2.filenet.com>

Thanks to all who sent the URL and info.

W. H. Phinizy, K6WHP  
Principal Engineer  
FileNET Corporation

-----  
Date: Thu, 11 Jan 2001 21:57:12 -0600  
From: Steve Bauder <sbauder@win.bright.net>  
To: qrp-1@Lehigh.EDU  
Subject: [88414] Too good to be true?  
Message-ID: <3A5E8098.EB6391FB@win.bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anybody have any experience with the 12vdc 2.5A wall wart listed in All Electronics' ad in the January QST (p124)? It's a switching supply from Qualcomm. Ten bucks sounds too good to be true.

Steve, nx9z

-----  
Date: Thu, 11 Jan 2001 23:03:58 -0500  
From: "ZOOM" <kandRparker@sympatico.ca>  
To: <sbauder@win.bright.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88415] Re: Too good to be true?  
Message-ID: <004301c07c4c\$b0f0be60\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You must be careful when using a switching supply. The switching action can cause allot of noise to enter into your HF receiver and may require additional filtering. Not to mention what it could do to a QRP transmitter. But again they can be used for HF if filtered to remove the switching noise from the DC line. Should be no problem at 2m and above so it would make an excellent HT supply. Switching supplies tend to be lighter than their counterparts because any transformers that are used are very light.

Robert  
VE3RPF

----- Original Message -----

From: Steve Bauder <sbauder@win.bright.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, January 11, 2001 10:57 PM  
Subject: Too good to be true?

> Anybody have any experience with the 12vdc 2.5A wall wart listed in All  
> Electronics' ad in the January QST (p124)? It's a switching supply from  
> Qualcomm. Ten bucks sounds too good to be true.  
>  
> Steve, nx9z  
>  
>

-----  
Date: Thu, 11 Jan 2001 23:21:19 EST  
From: Gsdavis7070@cs.com  
To: qrp-1@lehigh.edu  
Subject: [88416] for sale  
Message-ID: <28.fb7fb14.278fe03f@cs.com>



MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

red hot norcal 20, loaded. Mint cond. Tic keyer and audio freq. announce.  
All manuals.  
Ten turn pot. A jewel to own and operate, but want to sell and build  
something new.  
Yours for only 140.00 or what ever you can talk me down to.

Gordy in omaha

Nw0y

-----  
Date: Fri, 12 Jan 2001 04:36:43 -0000  
From: "Jerry Scherkenbach" <jerrys@execpc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88417] KF4AR da Fox - missed  
Message-ID: <007001c07c51\$476e9ac0\$e847cfa9@Pjerrys>

I missed RICK tonight for the first miss of the season. Oh well, life goes on.

Just wondering though if anyone else experienced the same propagation as I did here in Wisconsin.....actually I should say we since I think all of the QRP Cheeseheads missed da fox tonight.  
Rick was an honest S9 - S9+10 at the start, hovering right around S9 until 0225z. Then, just like that, one QSO he was S9 and the very next QSO he was S0 (actually barely audible). His signal never really recovered. I would hear bits and pieces but thats it. We heard lots of good signals from 5, 6 and 7 land. And, oh, Mac AF4PS was loud here all night and he is in FL. Go figure, FL is loud in WI but NC goes from blasting in to barely audible. Ain't propagation FUN!

The band is definitely long at 0200. Just before the foxhunt, like 0157 or so, I worked 8Q7DV in the Maldives down around 7004 (not QRP of course). That's 9000 miles from my QTH.

-----  
Date: Thu, 11 Jan 2001 22:43:38 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: jerrys@execpc.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88418] Re: KF4AR da Fox - missed  
Message-ID: <3A5E8B7A.AD9F721F@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I found a great deal of QSB that was related to the antenna in use. When Rick would fade out on the wire Extended Double Zepp for 20 that I use on 40 with tuned feeders, he would pop up again on the Butternut HF9V vertical. And vice versa. Kept switching from one antenna to the other. Fortunately the IC-756PRO internal tuner was happy with either antenna.

Finally got Rick at 0240 but had to send the entire exchange 3 times! So, he was having problems at his end as well.

Rick, if you read this, many thanks for sticking with me until I could get all the info across to you. Shame that your signal was so erratic, but guess that is all part of the Hunt.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Jerry Scherkenbach wrote:

>  
> I missed Rick tonight for the first miss of the season. Oh well, life goes  
> on.  
>  
> Just wondering though if anyone else experienced the same propagation as I  
> did here in Wisconsin.....actually I should say we since I think all of  
> the QRP Cheeseheads missed da fox tonight.  
> Rick was an honest S9 - S9+10 at the start, hovering right around S9 until  
> 0225z. Then, just like that, one QSO he was S9 and the very next QSO he  
> was S0 (actually barely audible). His signal never really recovered. I  
> would hear bits and pieces but thats it. We heard lots of good signals from  
> 5, 6 and 7 land. And, oh, Mac AF4PS was loud here all night and he is in  
> FL. Go figure, FL is loud in WI but NC goes from blasting in to barely  
> audible. Ain't propagation FUN!  
>  
> The band is definitely long at 0200. Just before the foxhunt, like 0157 or  
> so, I worked 8Q7DV in the Maldives down around 7004 (not QRP of course).  
> That's 9000 miles from my QTH.

-----

Date: Thu, 11 Jan 2001 21:55:19 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-1@lehigh.edu>  
Subject: [88419] Re: Arkiecon 2001  
Message-ID: <B683C531.55CA%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="ISO-8859-1"  
Content-transfer-encoding: quoted-printable

I encourage everybody within driving distance of Ft. Smith Arkansas to "Get on to Arikiecon". It is the biggest QRP forum between places that have bigger QRP forums. Like Dayton and Pacificon.

I went last year and it remains one of my favorite hamfest experiences.

I second everything Doug says about the "Rib Eye". Having grown up in farming country I had eaten turkey fries before, so I knew what to expect, but I had never had fried pickles before! Well worth the trip. I know of no other place in the world that offers these delicacies. They go good with beer.

QRP talks are held in a room with a full length bar running down one side of the room. I know of no other QRP forum that is held in such auspicious surroundings!! Unfortunately the bar only opens for the evening events. They have a good selection of beer, including several local microbrews.

The atmosphere is very nice and good old southern hospitality is everywhere. I don't think I heard a discouraging word from anybody while I was there. I am afraid that I may have abused it a time or two, particularly with the Pizza on Saturday night. Sorry Kathy. You can make the rounds of the flea market between talks and still not miss anything.

I especially liked the evening bar-b-cue and operating event. There was one of almost every type of QRP rig for people to try out and lots of different antennas to sample. The Iowa QRP-10 got its public debut there. I brought my experimental 3/8 wave 10 M antenna and Dave Gauding worked several JAs on 10=AOM with it. If Jay is having the same event this year I will bring a new 10 M antenna I have been designing.

Last year I assisted Jay by cleaning all of that old stale beer out of his fridge. :^)=20

I also look forward to seeing Graham and Tony. They are great people and really devout Buddy Holly fans. The last time I saw them they were complaining loudly about the judging in the regen contest at HamCom, where they were shown up by superior Yank ingenuity. :^)

I suppose that we will miss the vigorous debate and jibes between Jay and Doug about Arkansas's favorite son, now that he is no longer favorite son. Are the tables turned??

See you in Ft. Smith. - Dr. Megacycle KK6MC/5

--=20

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Thu, 11 Jan 2001 23:04:47 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: jamesd1@flash.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88420] Re: Arkiecon 2001  
Message-ID: <3A5E906F.34D98644@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Got me all fired up to attend, Jim, but what are the dates?

We are planning for a group from our NE Texas QRP club NETXQRP to caravan over there for the festivities.

Sure sounds like a great affair.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

"James R. Duffey" wrote:

>

> I encourage everybody within driving distance of Ft. Smith Arkansas to "Get

> on to Arikiecon". It is the biggest QRP forum between places that have  
> bigger QRP forums. Like Dayton and Pacificon.

-----  
Date: Thu, 11 Jan 2001 23:09:02 -0600  
From: "Don Wines" <dwines@tyler.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88421] Re: Arkiecon 2001  
Message-ID: <001901c07c55\$c7e1c3e0\$ae9086d0@gateway>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

From: Doug Hendricks <ki6ds@dph.dpol.net>  
    Snip.....  
> There is a great  
> motel that is brand new, and is like \$41 a night or something like that.  
We  
> all stayed there last year and had a blast. It comes with all the  
> amenities, hot water, showers, clean rooms (no dust balls or M&M's or  
other  
> unmentionables under the bed), towels, air conditioning and heat, and it  
is  
> a great place to stay.  
    Snip....

Could someone clue me in on the name of this motel so I can get  
reservations?

72  
Don, K5DW  
QRP-L #2083 ARCI #10145 NETXQRP #3  
k5dw@arrl.net or  
dwines@tyler.net  
See the NETXQRP Web Page at: [www.netxqrp.org](http://www.netxqrp.org)  
TMPS-2001 1/12/2001 WAS = 0 DXCC = 0 Q'S = 0

-----  
Date: Fri, 12 Jan 2001 00:18:04 EST  
From: Gsdavis7070@cs.com  
To: qrp-1@lehigh.edu  
Subject: [88422] fs  
Message-ID: <d5.e1d3d0.278fed8c@cs.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

red hot norcal 20, loaded! Mint cond. all manuals. only 140.00 or whatever  
you can  
talk me down to.

gordy in omaha Nw0y

-----  
Date: Thu, 11 Jan 2001 23:19:28 -0600  
From: "Conard Murray" <cmurray@cookeville.total-web.net>  
To: <jerryrs@execpc.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [88423] Re: KF4AR da Fox - missed  
Message-ID: <019501c07c57\$3faee780\$f27ecfd8@cookeville.totalweb.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm not sure that I even heard the fox at all here in TN. I guess that is to  
be expected ... I did hear N4ROA calling him though.  
73,  
Conard, WS4S

-----  
Date: Fri, 12 Jan 2001 00:31:43 EST  
From: Gsdavis7070@cs.com  
To: qrp-l@lehigh.edu  
Subject: [88424] for sale  
Message-ID: <a6.e885895.278ff0bf@cs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Fully loaded red hot norcal 20. all manuals. 140.00 or argue me down

Gordy in omaha Nw0y

-----  
Date: Thu, 11 Jan 2001 23:32:01 -0600  
From: "Ed Rowan, AC5DC" <ac5dc@ipa.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, dwines@tyler.net  
Subject: [88425] Re: Arkiecon 2001  
Message-ID: <200101120535.XAA25542@postoffice6.ipa.net>

ArkieCon will be on April 7th.

Information and a picture of the hotel (Guesthouse Inn) can be found at <http://www.qsl.net/kk5ku/arkiecon.html>

Kelsey is putting the information for ArkieCon 2001 up as he gets it so be patient.

73,

Ed, AC5DC  
Fort Smith QRP Group

-----  
Date: Fri, 12 Jan 2001 00:29:37 -0500  
From: bruceshaw@juno.com  
To: leinwebe@mcmail.cis.McMaster.CA  
Cc: qrp-1@Lehigh.EDU  
Subject: [88426] Re: Buckeye Electronics Closed  
Message-ID: <20010112.004405.-329711.0.bruceshaw@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Do any of you think there is a need (as in 'would you support it') for a similar type web based supplier of components specifically for the QRP community? How many of you use Dan's Small Parts, Digikey etc? I have been playing with the idea for awhile.

Bruce Shaw  
kg4dzu  
Gibsonville NC

On 11 Jan 2001 10:10:47 -0500 Glen Leinweber  
<leinwebe@mcmail.cis.McMaster.CA> writes:  
> Pat Tendam had supplied reasonably-priced electronic parts  
> of great interest to QRP-er homebrewers. His efforts helped  
> make homebrewing a less harrowing experience.  
> This is just a reminder that small-parts suppliers  
> who are willing to deal with small orders are a precious  
> resource, and deserve our support.  
> And this goes for our small kit suppliers too!  
> -Glen VE3DNL  
>

> In <005f01c07b86\$e70e92e0\$0332a8c0@roland.swbell.net>, Lew Paceley  
> wrote:  
> >Folks,  
> >Several on the list have asked whether Buckeye Electronics is still  
> in  
> >business. Sad to say, the answer is NO. I received the reply  
> below  
> >to my e-mail inquiry as to whether they were still accepting  
> orders.

---

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

---

Date: Thu, 11 Jan 2001 22:35:36 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [88427] Fox caught, barely  
Message-ID: <007d01c07c61\$e20c4220\$0fdffc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I listened to Rick for a long time tonight, waiting for his signal to come up above the noise enough to make calling him worthwhile (and to be able to tell who he came back to).

After an hour and a half, I was getting desperate. I didn't want to miss him, but I just couldn't copy him well enough to tell what was happening. Finally, in desperation, I reversed my phased array and put the null in his direction. This cut the noise down enough that I could copy Rick reliably, so I started calling him. Caught him after about ten calls. I guess the null is narrow enough that it didn't hurt my transmit signal. I'll have to remember this for the remaining Foxes.

Thanks for the great effort, Rick.

73, Bob N6WG

Go BIG DAWGS

---

Date: Fri, 12 Jan 2001 08:43:25 GMT



From: "Adrian Weiss" <aweiss@usd.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [88428] Re: SDRV analyzes nicely.  
Message-ID: <G71EP801.F4L@mail.usd.edu>

Hi gang:

Ed's math analysis of the loading section of the SDRV is beautiful! I wish I could do that kind of stuff!

My actual approach was quite a bit simpler. Since the shorted twinlead is roughly equivalent to a lump inductance, I stuck a 2" dia piece of coil stock at the base of the radiator, tapped down to where I was close to resonance, counted the turns, used HamCalc pgm to figure the actual inductance, then another of HamCalc's pgms to figure out out much shorted twinlead yielded that inductance, cut the twinlead about 6' longer, and trimmed down to resonance. The end result was pretty close to the calculated length -- as Ed points out, dielectric etc affects that length, but more importantly the conductive coating on the pole affects the calculated results.

As I explained in the article, Denny's piece of twinlead cut to 15'5" yielded exactly the same base impedance measurements on 40m. What I like about our cooperative work on the SDRV-234 was the duplicability of the results, using identical dimensions, but not exactly the same twinlead --mine was brandnew lowloss from R.S., and he had an older piece. I tried some old junk high-loss stuff, and it was about 2' diff. on 40m, and some new cheapie hardware store stuff, and it too was about 2" shorter. So, it seems safe to say that the dimensions will be close enough regardless of the piece of twinlead as far as length is concerned.

One important point I forgot to mention in my article regards the "critical" area as far as impact on resonant frequency. It is right at the base where the radiator connects to the output side of the twinlead loading section. Highest current point. Adding 2" between the output of the loading section and the radiator throws the freq a 100kHz or so!

It was a joy to use the SDRV back in PA after Dayton last year on 30m. Worked 30m EU DX at will with good sig reports and good QSO's. So, as it stands now, when I retire, I have a difficult choice -- either head to AZ for the sun and fun and almost NO EU DX, to FL for fun and sun and beach and scads of DX, or to PA for great EU DX butvery little sun and fun. Ironically, this hellhole of -55 windchill is better to EU than from AZ! Life choices...gads!

As I noted in the article, you can't put 15-10m radiators on the pole. The mutual coupling kills that possibility -- and incidentally, the same is true with the W6MMA vertical because of the conductive coating on the pole. So, I though I'd whip up a dipole to hang from the top for those bands.

The FOX (KF4AR) was very nice in SD tonight and the pack was sheer bedlam. I love hearing all those powerfuil QRP sigs!

72, Ade

-----  
Date: Thu, 11 Jan 2001 20:33:19 -0800  
From: "ListeningPost" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88429] Re: FOX Madhouse!  
Message-ID: <008101c07c50\$cefa1e20\$ac231ad8@N7SG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Re: Fox...he worked 'em close to his frequency...never did hear him work anyone dead on. With a good filter, no sweat. He was working 'em like a pro...close in, but still within the RIT of many. Good work in my book...efficient use of the band too!

73 John K7FD

>  
> Worked Rick KF4AR the Fox tonight on 7.0407 MHz about 18 after  
> 0200 after calling Rick about 500 times. For some reason Rick is working  
> guys right on his frequency! I called him 1 kHz high for awhile but heard  
> him come back to guys on his frequency all the time. So I did the same and  
> did work him.  
>  
> Yesterday I forgot to use my cloudwarmer vee antenna and missed  
> some close in Hounds in Colorado. Tonight Rick got started wrong and needs  
> to spread out that pack of baying Hounds by working them on other  
> frequencies.  
>  
> To all future Fox's I can't say how much easier it is when you get  
> the Hounds on a frequency away from yours and work them. They can all hear  
> you now. Your in control Mr. Fox. Don't let the Hounds work you back to  
> your frequency...:-)  
>  
> Most important, it's a lot more fun when you can hear the Fox.  
> Fox's make the funniest errors and you don't want to miss it.

>  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>  
>

-----  
Date: Thu, 11 Jan 2001 21:42:06 -0800  
From: "ListeningPost" <cqdx@teleport.com>  
To: <elecraft@qth.net>  
Cc: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [88430] K2 does good tonight on 75m  
Message-ID: <00bf01c07c5a\$6887b940\$ac231ad8@N7SG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

In the log, KM3V MD and W3DA, DE. Not too shabby from Oregon...5w out SSB K2 and 75m dipole @ 70'...got a 53 and 44 report, respectively.

73 John K2/586, Original Knob  
K7Low QRPacific QRP Club  
<http://www.teleport.com/~cqdx/qrpclub.htm>

-----  
Date: Fri, 12 Jan 2001 00:30:18 -0800  
From: "Dave Fifield" <ad6a@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [88431] Re: Lesson learned from cute swap meet rigs that "need a little work"  
Message-ID: <038001c07c71\$e6235dc0\$0600a8c0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Doesn't Teflon (PTFE) give off poisonous gas when burned?  
(flourine or phosgene or something?)  
So why would you want to use hot wire strippers to melt/burn the wire insulation off? Wouldn't catch me doing it! I use end strippers set to the right wire size for my PTFE coated wire. It's a little harder to strip than PVC, but worth the extra effort.

72, Dave Fifield, AD6A

-----  
Date: Fri, 12 Jan 2001 08:39:20  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: n2go@arrl.net, qrp-l@Lehigh.EDU  
Subject: [88432] Re: Stripping Teflon  
Message-ID: <F218e2U8QVjp3b6uIU10000335f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>With all the fine attributes of Teflon wire come the tough ones.  
>Stripping the teflon wire can be troublesome without the proper equipment.

Rather than Teflon wire, I use a single core wire with an irradiated covering. This is very heat resistant, and quite easy to strip with an ordinary tool. It's available from Farnell. It's quite expensive, but cheaper than Teflon.

73, Leon

--  
Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058  
Email:leon\_heller@hotmail.com My web page:  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller) IRISYS Ltd: <http://www.irisys.co.uk>

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

-----  
Date: Fri, 12 Jan 2001 08:43:30  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: rohre@arlut.utexas.edu, qrp-l@Lehigh.EDU  
Subject: [88433] Re: Other Active Mixers

Message-ID: <F25835dLYvRDQQvbXug0000ebf3@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>

>Analog Devices and Maxim seem to have mixers. Has anyone investigated if  
>they will function at HF and replace NE602 series. (not direct pin  
>replacement, but functionally)?

I've looked at these, but haven't tried them. They are more expensive than  
the NE602, but have \*much\* better performance in terms of strong signal  
handling.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058

Email:leon\_heller@hotmail.com My web page:

[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller) IRISYS Ltd: <http://www.irisys.co.uk>

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

-----

Date: Fri, 12 Jan 2001 05:49:41 -0600

From: "Chuck Carpenter" <w5usj@globeco.net>

To: rohre@arlut.utexas.edu, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>

Subject: [88434] Re: Other Active Mixers

Message-ID: <3.0.2.32.20010112054941.007fc210@mail.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Stuart,

One mixer that is shown in W1FB's QRP Notebook is CA3028A as a balanced  
mixer (i.e., not doubly as with NE602). Other mixers in this book use  
dual-gate MOSFETs.

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
NETXQRP Club Website =96 <http://www.angelfire.com/tx4/netxqrpclub/>

-----  
Date: Fri, 12 Jan 2001 08:13:26 EST  
From: Macstein@aol.com  
To: jerrys@execpc.com, qrp-l@lehigh.edu  
Subject: [88435] Re: KF4AR da Fox - missed  
Message-ID: <be.e8c909c.27905cf6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 1/11/2001 11:38:53 PM Eastern Standard Time,  
jerrys@execpc.com writes:

> We heard lots of good signals from  
> 5, 6 and 7 land. And, oh, Mac AF4PS was loud here all night and he is in  
> FL. Go figure, FL is loud in WI but NC goes from blasting in to barely  
> audible. Ain't propagation FUN!

HA! You heard me and I heard you...but alas, I did not get Rick! Tom, south  
of me in Naples, had him 599. I had him occasionally 219 and would try, but  
usually he was inaudible! I called off and on the entire time when I COULD  
hear him. I never could hear him on the Indoor Dipole, and went out this  
morning to find two "sections" (tie offs) of the loop on the ground. Even  
with that I could hear the west coast stations, but not up the east. Oh  
well, thanks for the sig report - grin.

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and NVIS loop.

K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,  
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,  
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51  
and various other annual \$15 commitments.

-----  
Date: Fri, 12 Jan 2001 06:15:49 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Jerry Scherckenbach <jerrys@execpc.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [88436] Re: KF4AR da Fox - missed  
Message-ID: <Pine.LNX.4.31.0101120612230.795-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jerry, when propogation fails you can do nothing. It's too bad but life is that way...

On Fri, 12 Jan 2001, Jerry Scherkenbach wrote:

> I missed RICK tonight for the first miss of the season. Oh well, life goes  
> on.  
>  
> The band is definitely long at 0200. Just before the foxhunt, like 0157 or  
> so, I worked 8Q7DV in the Maldives down around 7004 (not QRP of course).  
> That's 9000 miles from my QTH.

How far "Not QRP" did you go for 8Q7DV?

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 12 Jan 2001 08:33:23 -0500  
From: "E. Roswell" <eroswell@monmouth.com>  
To: qrp-1@Lehigh.EDU  
Subject: [88437] Re: Help needed--Altoids Tins  
Message-ID: <3A5F07A3.E5346D5F@monmouth.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I don't have any extra, but I can find them in our ACME supermarket, as well as Target, here in Monmouth Co., NJ.  
Ed, K2MGM.

-----  
Date: Fri, 12 Jan 2001 08:36:12 -0500  
From: "K3NG" <k3ng@fast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88438] Re: KF4AR da Fox - missed

Message-ID: <001a01c07c9c\$a1f6eab0\$4cc893cd@noc20>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Me too. I keep the rig on for two hours listening. I could hear the hounds, but could just barely, barely hear the fox. I thought this would be an easy one from my QTH.

Oh well. :)

72  
Goody  
K3NG

----- Original Message -----  
From: "Conard Murray" <cmurray@cookeville.total-web.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 12, 2001 00:19  
Subject: Re: KF4AR da Fox - missed

> I'm not sure that I even heard the fox at all here in TN. I guess that is  
to  
> be expected ... I did hear N4ROA calling him though.  
> 73,  
> Conard, WS4S  
>  
>  
>

-----  
Date: Fri, 12 Jan 2001 08:10:24 -0500  
From: ed.kwik@delphiauto.com  
To: jerrys@execpc.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [88439] Re: KF4AR da Fox - missed  
Message-ID: <052569D2.0048D5AD.00@usabhmg99.mail.delphiauto.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I missed RICK tonight for the first miss of the season. Oh well, life goes



on.

Just wondering though if anyone else experienced the same propagation as I did here in Wisconsin.....actually I should say we since I think all of the QRP Cheeseheads missed da fox tonight.

Rick was an honest S9 - S9+10 at the start, hovering right around S9 until 0225z. Then, just like that, one QS0 he was S9 and the very next QS0 he was S0 (actually barely audible). His signal never really recovered. I would hear bits and pieces but thats it. We heard lots of good signals from 5, 6 and 7 land. And, oh, Mac AF4PS was loud here all night and he is in FL. Go figure, FL is loud in WI but NC goes from blasting in to barely audible. Ain't propagation FUN!

The band is definitely long at 0200. Just before the foxhunt, like 0157 or so, I worked 8Q7DV in the Maldives down around 7004 (not QRP of course). That's 9000 miles from my QTH.

The very same thing happened to me. 579 for the first 20 minutes then nada. Wonder if he switched antennas.

Ed AB8DF

TMPS-2001 1/12/01 WAS = 10 DXCC = 1(got a 579 from a LZ1 the other nite w/ SW30+, dipole) COUNTIES = TBD Q's = TBD

-----  
Date: Fri, 12 Jan 2001 06:53:48 -0700  
From: Roy <marion@montana.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88440] Ten-Tec RX-320  
Message-ID: <4.3.1.2.20010112064749.00a72690@mail.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Some one was selling a RX-320 awhile back. They or anyone else who has one for sale please respond to me direct. Tnx Roy AB7CE

-----  
Date: Fri, 12 Jan 2001 08:56:39 -0500  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88441] CW Side Swipers . . .

Message-ID: <20010112.085654.-105281.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

. . . and CW OPs

Do Not even look at page 48 in Feb 2001 WORLD RADIO . . .

Don't even go there . . .  
Jump from directlt from page 47 to 50 . . .  
' . . pass GO and collect \$200' . . .

I tried warn you . . .

If you peek it will cost (but LOT less than \$200 . . .

TNX to Fred, KA1YM

John  
N3AAZ  
FM 19 xa

---

GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 12 Jan 2001 09:12:15 -0500  
From: "Brian" <brian@iquest.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [88442] 30m Report  
Message-ID: <004101c07ca1\$a77a300\$2305080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I thought someone was wanting 30M reports...maybe not...anyway....

Last night at about 02:00 I couldn't hear the Fox, the Truffle or much anything else on 40m so I plugged in the 30m module to my 5 watt Scout and did some listening. I ended up working FR5FD Pat on Reunion Island on 10104.7 and this is now my best DX! I gave him a 339 and he gave me a

539....not bad for an attic dipole (there's another nickle for Mac).

I would like to think I would have had a better copy on him if I removed the plywood and shingle attenuator but my XYL would have me in the doghouse should I do anything quite that brazen.

72 es "oo"

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

-----

Date: Fri, 12 Jan 2001 09:53:58 -0500  
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88443] Re: KF4AR da Fox - missed  
Message-ID: <3A5F1A86.97899D32@eng14.rochny.uspra.abb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I could not hear the fox at all in WNY :(  
No problem with the hounds as they were loud.

73,  
Tom Jennings, kv2x

-----

Date: Fri, 12 Jan 2001 09:31:12 -0500  
From: Bill Lazure <n2tpa@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [88444] OT: Searching for an NBC Producer  
Message-ID: <20010112.102621.-386781.1.N2TPA@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Gang,

Pardon the intrusion.

About a year ago, I met a man on QRP-L who is a producer for NBC's West Coast Bureau. If anyone knows him, or if you're him, can you contact me off-list?

No QRP tie in here, we Xmit at 30Kw.

Thanks,

Bill

W2EB

-----  
GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 12 Jan 2001 15:36:23 -0000  
From: "Kenneth Evans" <w4du@bellsouth.net>  
To: "QRP-l Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88445] Bicycle to FDIM  
Message-ID: <009601c07cad\$6cac6e00\$df68fea9@w4du>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

A few months back, I saw a post regarding some guys from Canada that will be bicycling to FDIM and operating along the way. I have "lost" the info and would appreciate it if they would e-mail me with the info and dates.

Thanks

72/3,

Ken W4DU

QRP ARCI #696, GQRP, NOGA, NORCAL, ARRL-Life

-----  
Date: Fri, 12 Jan 2001 10:12:45 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Jerry Scherkenbach <jerrys@execpc.com>  
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [88446] Re: KF4AR da Fox - missed  
Message-ID: <Pine.LNX.3.95.1010112095714.24414A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jerry et al....like you say propagation is the name of the game...I missed Rick but hung in there the full 2 hours "just in case" his signal came up....sensing "defeat" but determined to hang in there because I have worked foxii in the last minute of a hunt, I was looking at the icons on my desktop and came across CWGet...well, looks like this would be a good time to see what CWGet is all about while I'm listening for the fox...it was VERY interesting to "see the show"....when Rick turned it over to the hunters, the noise line would suddenly errupt with signals...Rick's signal was below or at the noise line 99% of the time....once in a while, his signal would pop up for a few seconds and then it was gone....I'm going to do this again; follow the hunt using CWGet....you should see what a signal like AMTOR (I think) does to the display...WOW!!...it was also fascinating to watch the hunt going on and then see the entire "band" fade away with no signals at all and then eventually "fade" back in and once more I'm seeing the signals....I think I will be learning more about what we're all having a lot of fun doing...overall, the decoding was very poor....every now and then I would receive the proper letters & numbers, which I confirmed by copying in my head...hmmm, seems the old "head" is still better than the programs so far....when an individual signal was strong the pgm would decode maybe 90%, depending on band noise...I can only guess that the overall poor decoding was due to Mother Propagation.....or I might have had the program set up wrong?...some of the terms in the HELP files are new to me and so I have more "understanding" to learn....maybe some knowledgeable person on the list here could give us all a little course in an e-mail explaining the terms, etc.....I used to have a lot of fun copying calls when I couldn't hear the fox so I guess this is another way to do something similar and have FUN!....try it.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 12 Jan 2001 16:13:42  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [88447] On Searching/Viewing Patents  
Message-ID: <F294M4HKewkHfAxPWhE0000297b@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Congrats to Chris!

BTW, another good place to search and view patents is:

[www.delphion.com](http://www.delphion.com)

Brad

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Fri, 12 Jan 2001 08:49:12 -0800  
From: Wayne Burdick <n6kr@elecraft.com>  
To: qrp <qrp-l@lehigh.edu>, Elecraft <elecraft@qth.net>  
Cc: Bill Strangman <bills@quickturn.com>  
Subject: [88448] "QRP" becomes official California state policy  
Message-ID: <3A5F3587.4DDEE886@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP means something a little different to all of us, but I think many of us see conservation of energy as part of its appeal. Our little radios draw 1/100th to 1/10th that of desktop rigs used by the average ham, and we think nothing of powering our entire stations from solar power or 8 AA-cells.

For those of us in California, this philosophy just got extended to everyday life. We're under continuous threat of blackouts due to a failed deregulation of the power industry, and new power sources are slow in coming. Part of the problem is California's high rate of population growth. But as a society, we've gotten addicted to bright lights in unused rooms, multiple computers per person, dozens of things powered by wall-warts, and a ridiculous standard of home heating. This era may, finally, come to an end.

Fortunately, there's a great short-term solution: turn stuff off! Estimates show that up to a 20% reduction in power utilization is possible using simple means. In the long term, we can only hope that this crisis will foster a true revolution, with emphasis on alternative energy sources and on conservation. Many people tried to start this revolution in the 70's, but when the oil crisis ended, the incentives and enthusiasm dried up.

I'm hoping that QRPs in California--and elsewhere--will start to apply their knowledge of energy efficiency to things outside ham radio. Let's help our family, friends, neighbors, and colleagues do the right thing. Let's also let the manufacturers of everything from radios to clothes dryers know that low power consumption just became their most important new feature.

The U.S. Environmental Protection Agency has a program to encourage the manufacture and purchase of equipment that meets certain efficiency standards:

<http://www.energystar.org/>

As far as I can tell, amateur radio equipment is not an "Energy Star" appliance category yet. I'm hoping to start one!

And now, I'm going to turn off this silly monitor and go have breakfast.  
By daylight :)

73,  
Wayne  
N6KR

-----  
Date: Fri, 12 Jan 2001 12:35:17 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n6kr@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88449] Re: "QRP" becomes official California state policy  
Message-ID: <00b501c07cbe\$0c969700\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The K2!!!

Official radio of the state of California!

-----  
Date: Fri, 12 Jan 2001 09:58:26 -0800  
From: Phil Wheeler <w7ox@earthlink.net>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88450] Re: "QRP" becomes official California state policy

Message-ID: <3A5F45C2.5D026D47@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

>  
> The K2!!!  
>  
> Official radio of the state of California!

Would that the computers we use were QRP! Well this one does have a monitor that shuts off after a selectable period of inactivity!

73, Phil W70X

-----  
Date: Fri, 12 Jan 2001 10:06:05 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>  
Subject: [88451] Need K1 Receiver Data from Builders  
Message-ID: <01c07cc2\$54c3ed80\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, I need your help. Those of you who have built the K1, would you please do a test for me. I need you to measure the current draw in the following situations.

All numbers in mA, volume control set at 12 O'clock.

No Signal Headphones = ??  
Strong Signal Headphones = ??  
No Signal Speaker = ??  
Strong Signal Speaker = ??

I asked for the data yesterday and only have 3 responses so far. I would like to get as many as possible. I will summarize and post the results to qrp-l. Thanks for helping me with collecting real data. 72, Doug

-----



Date: Fri, 12 Jan 2001 13:19:13 -0500  
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
To: qrp-l@lehigh.edu  
Subject: [88452] Atomic Clock Question  
Message-ID: <3A5F4AA1.CFA989CF@eng14.rochny.uspra.abb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Guys,  
Santa Claus gave me an Atomic Wall clock. Just to check its accuracy I compared the time with 10 MHz WWV time. I found that the time on the wall clock could be off by as much as 15 seconds. This looks like the clock's internal time base is not very stable.  
Is this kind of behavior to be expected?  
It's my opinion that the clock should never be off any more than a half second.  
I beleive the clock syncs up with WWVB sometime between Midnight and 6 am local time.

What is the group's experience with these things?

BTW it cost me about \$65 total.

Thanks es 73

Tom, kv2x

-----  
Date: Fri, 12 Jan 2001 13:37:06 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <jennings@eng14.rochny.uspra.abb.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88453] Re: Atomic Clock Question  
Message-ID: <00f901c07cc6\$abb35780\$010044c0@baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Santa brought me an MFJ atomic clock. I was surprised to see the first time I turned it on that it found WWVB fairly early (I think it was 9 PM or so). Anyway, I also synch my 'puter to the NIS online standard, and my watch (one of those Timex datalink thingies) gets synched to the computer.

If I let the watch go for a month or more without resynching it to the

computer, it may get a couple of seconds off, but the computer, the wall clock, and WWV are all together as closely as I can tell. Obviously, manually observing them there is probably room for a half-second or so of error. The watch to computer test is probably better. If the watch is within a couple of weeks of being synched to the computer, the watch and computer's hourly chimes go off at exactly the same time, unless the computer is busy in which case it's chime can be a second or so late.

Remember that WWV isn't as accurate as WWVB unless you happen to be sitting in Boulder. But I don't think it can be off by a substantial fraction of a second. Fifteen seconds would seem to be a problem.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Thomas Jennings" <jennings@eng14.rochny.uspra.abb.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 12, 2001 1:19 PM  
Subject: Atomic Clock Question

> Guys,  
> Santa Claus gave me an Atomic Wall clock. Just to check its accuracy  
> I compared the time with 10 MHz WWV time. I found that the time on the  
> wall clock could be off by as much as 15 seconds. This looks like the  
> clock's internal time base is not very stable.  
> Is this kind of behavior to be expected?  
> It's my opinion that the clock should never be off any more than a half  
> second.  
> I beleive the clock syncs up with WWVB sometime between Midnight and 6  
> am local time.  
>  
> What is the group's experience with these things?  
>  
> BTW it cost me about \$65 total.  
>  
> Thanks es 73  
>  
> Tom, kv2x

-----  
Date: Fri, 12 Jan 2001 12:39:33 -0600 (CST)  
From: "Adrian Weiss" <aweiss@usd.edu>  
To: qrp-l@lehigh.edu

Subject: [88454] MIQRP Contest this weekend????  
Message-ID: <Pine.SOL.4.03.10101121236130.9120-1000000@sunburst.usd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Isn't the MIQRP Contest on this weekend Jan 13/14???

72, Ade

-----  
Date: Fri, 12 Jan 2001 09:46:07 -0800  
From: Dan Presley <talljazz@teleport.com>  
To: qrp-l@LeHigh.EDU  
Subject: [88455] Fox: early warning  
Message-ID: <v0300781ab684f114315e@[216.26.2.143]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Time for my second run-1/17 0200-0400 UTC (1/16 local date). I just checked the ARRL propagation report, and it looks good, so let's see if we can break the 100 qso mark-last time I got 93. One hound said I was 'as frisky as his dog in a bath', so don't be surprised if I jump around a bit! This time I will be using the 'KA7OZO' antenna farm with his 40M Yagi, G5RV and vertical, so we should some options, and rig will the K2 w/ CMOS III keyer. The exchange will be rather quick, and I will slow down to send calls at beginning & end of exchange. I will be listening a minimum of 1 to 3 Khz up at least for the first hour, and if conditions change I may creep back closer to my freq.  
Exchange will be : <your call> RST OR Dan 5W <your call> .Let's have fun and break the century mark!

Dan Presley-N7CQR-Portland, Or QRP-L #502

-----  
Date: Fri, 12 Jan 2001 12:52:47 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: jennings@eng14.rochny.uspra.abb.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88456] Re: Atomic Clock Question  
Message-ID: <3A5F527F.E5DC9A51@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Something wrong, Tom. I got one of those from Radio Shack some time back and it is still working on the original batteries and is never off from WWV, based on watching its display and hearing the WWV audio signal.

Are you getting an indication that a signal is being received and that the clock is actually being synch'ed up?

You might try new batteries, just in case. The display, etc. may operate but the receiver may be sub-par with weak batteries.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Thomas Jennings wrote:

>  
> Guys,  
> Santa Claus gave me an Atomic Wall clock. Just to check its accuracy  
> I compared the time with 10 MHz WWV time. I found that the time on the  
> wall clock could be off by as much as 15 seconds. This looks like the  
> clock's internal time base is not very stable.  
> Is this kind of behavior to be expected?  
> It's my opinion that the clock should never be off any more than a half  
> second.  
> I beleive the clock syncs up with WWVB sometime between Midnight and 6  
> am local time.  
>  
> What is the group's experience with these things?  
>  
> BTW it cost me about \$65 total.  
>  
> Thanks es 73

-----  
Date: Fri, 12 Jan 2001 12:56:41 -0600  
From: Bcieslak@ra.rockwell.com  
To: qrp-l@Lehigh.EDU  
Subject: [88457] KF4AR da Fox - missed  
Message-ID: <0F1AF23C67.4C7081CA-ON862569D2.0067C5EB@ra.rockwell.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

I wonder if rick has gone out and checked his antennas....He dropped out so fast and drastically that it seems like he dropped xmit power or or changed the direction of antennas. Even though he dropped out of site I saw no appreciable drop in the hounds signals here which makes me wonder if it was really a propagation issue.

Just some thoughts...

Brian

-----  
Date: Fri, 12 Jan 2001 13:04:14 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: rattray@gpfn.sk.ca  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88458] Re: KF4AR da Fox - missed  
Message-ID: <3A5F552E.BB2E3012@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bruce, any of the PSK31 programs with waterfall displays would show the same band behavior. I find that the Spectrogram program to be superior to all the others in showing real-time spectra for signal analysis and observation.

Watching a hot Fox Hunt on the waterfall is an education!

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Bruce Rattray wrote:

>  
> Hi Jerry et al....like you say propagation is the name of the game...I  
> missed Rick but hung in there the full 2 hours "just in case" his signal  
> came up....sensing "defeat" but determined to hang in there because I have  
> worked foxii in the last minute of a hunt, I was looking at the icons on  
> my desktop and came across CWGet...well, looks like this would be a good  
> time to see what CWGet is all about while I'm listening for the fox...it  
> was VERY interesting to "see the show"....when Rick turned it over to the  
> hunters, the noise line would suddenly errupt with signals...Rick's signal  
> was below or at the noise line 99% of the time....once in a while, his

> signal would pop up for a few seconds and then it was gone....I'm going to  
> do this again; follow the hunt using CWGet....you should see what a  
> signal like AMTOR (I think) does to the display...WOW!!...it was also  
> fascinating to watch the hunt going on and then see the entire "band"  
> fade away with no signals at all and then eventually "fade" back in and  
> once more I'm seeing the signals....I think I will be learning more about  
> what we're all having a lot of fun doing.

-----  
Date: Fri, 12 Jan 2001 13:08:43 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: Bcieslak@ra.rockwell.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88459] Re: KF4AR da Fox - missed  
Message-ID: <3A5F563B.7F6AE55E@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I also noticed a noise-like amplitude variation on his signal. I usually watch received CW characters on a scope - don't ask, I just like doing it! - and I noticed that when I could hear a roughness on his signal that the audio waveform was also distorted with an amplitude variation. So, perhaps he was having rig problems as well as antenna problems.

Here in North Central Texas, the QSB was major and rapid. But, when he would fade on the horizontal wire, he would peak up on the vertical. So, by switching between the two, I was able to keep up with him fairly well until I got him in the sights at 0240Z. Bang!!

A "challenging" hunt, to say the least. He was having problems as well, since I had to send my entire exchange three times before getting a QSL.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Bcieslak@ra.rockwell.com wrote:

>  
> I wonder if rick has gone out and checked his antennas....He dropped out so  
> fast and drastically that it seems like he dropped xmit power or  
> or changed the direction of antennas. Even though he dropped out of site I  
> saw no appreciable drop in the hounds signals here which makes me wonder if  
> it was really a propagation issue.

>  
> Just some thoughts...  
>  
> Brian

-----  
Date: Fri, 12 Jan 2001 12:13:22 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: <kq6dv@arrl.net>  
Cc: "qrp" <qrp-1@lehigh.edu>, "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>  
Subject: [88460] Re: FYOB  
Message-ID: <001b01c07ccb\$bd8e5180\$0c1df5cc@mshome.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good question. Yes, record the lowest temp of the day. I know that gives the early birds a better shot at the worm (ugh!), but it could get colder as the day goes on, too.

72,  
Bob Hightower NK7M  
<http://www.extremezone.com/~nk7m>  
----- Original Message -----  
From: "Tom & Bobbie Johnson" <kq6dv@arrl.net>  
To: <nk7m@extremezone.com>  
Sent: Friday, January 12, 2001 10:19 AM  
Subject: FYOB

> Hi Bob:  
>  
> I enjoyed the FYOB contest very much last year and will be  
> participating again this year. Just want to clarify one thing: In  
> reporting the temperature do you use the lowest temperature of the day  
> at the operating position for all QSO's, or are you supposed to log the  
> temperature for each QSO? As the temp will warm up during the day and  
> cool down again towards evening this is important. Thanks.  
>  
> 72,  
> KQ6DV  
>

-----

Date: Fri, 12 Jan 2001 14:21:45 -0500  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'eleccraft@qth.net'" <eleccraft@qth.net>, "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [88461] Close-in dynamic range comparison: K2 vs. "big rigs"  
Message-ID: <125490A005E3D3118C9C00805FC743CC02FCA8@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi All,

Just thought you folks would like to see this too. I got involved in a discussion on receiver dynamic range on another list and one of the fellows there suggested that close-in dynamic range was perhaps more important than the ARRL lab "standard" spacing of 20-kHz (personally, I think you need to look at as much as possible to get the most accurate "big picture").

In response to this fellow's post, I did some research on dynamic range at 5 kHz spacing for various radios that we have tested for this (only the ones we have expanded reports on). Here is a copy of my findings:

I went through a number of swept dynamic range test data. Here is the 5-kHz data for the rigs I checked:

(In alphabetical order...)

Rig	BDR	IMD DR
Elecraft K2	126	88
ICOM IC-706 MkII G	86	74
ICOM IC-756	98	67
ICOM IC-756 Pro	104	80
ICOM IC-775DSP	104	77
Kenwood TS-570D	87	72
Ten-Tec Omni 6+	119	86
Yaesu FT-1000MP	111	83
Yaesu FT-1000MP Mark V	106	78

If anyone needs a good explanation of what these things mean, please see my recent posts to the top band list:

[http://lists.contesting.com/\\_topband/200101/date.html](http://lists.contesting.com/_topband/200101/date.html)

72, Michael Tracy, KC1SX

-----



Date: Fri, 12 Jan 2001 11:56:05 -0800 (PST)  
From: Ji m <ku4qw@yahoo.com>  
To: qrp-L <qrp-l@Lehigh.EDU>  
Subject: [88462] 44 Magnum  
Message-ID: <20010112195605.8288.qmail@web2304.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

What ever happend to the 44 Magnum, I really wanted  
one of those kits but I just seem to go away.

=====

72 es CUL                      Jim, KU4QW  
KU4QW@yahoo.com

-----  
Do You Yahoo!?  
Yahoo! Photos - Share your holiday photos online!  
<http://photos.yahoo.com/>

-----  
Date: Fri, 12 Jan 2001 14:59:07 -0500  
From: "Brian" <brian@iquest.net>  
To: <ku4qw@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88463] Re: 44 Magnum  
Message-ID: <003c01c07cd2\$1fa0eb70\$2305080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think Chuckie Schumer and Diane Feinswine had them outlawed.

SRI.....cudn't resist.

72

----- Original Message -----  
From: "Ji m" <ku4qw@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 12, 2001 2:56 PM  
Subject: 44 Magnum

> What ever happend to the 44 Magnum, I really wanted  
> one of those kits but I just seem to go away.

>

>

>

> =====

> 72 es CUL Jim, KU4QW

> KU4QW@yahoo.com

>

>

> -----  
> Do You Yahoo!?

> Yahoo! Photos - Share your holiday photos online!

> <http://photos.yahoo.com/>

>

-----

Date: Fri, 12 Jan 2001 15:02:21 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:aweiss@usd.edu" <aweiss@usd.edu>

Cc: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>, "W.D.(Doc)Lindsey/K0EVZ"  
<70511.3041@compuserve.com>

Subject: [88464] MIQRP Contest this weekend????

Message-ID: <200101121502\_MC2-C187-B704@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

charset=ISO-8859-1

Content-Disposition: inline

Ade:

Yep, and here is the info which I copied from Ken Newman K2CQ:

>>Michigan QRP Club Contest (CW) ... QRP Contest!

Jan 13 - 1200z to Jan 14 - 2359z

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>

"Excellent QRP-ARCI Contest Training Session"<<

Maybe I will hear you on there somewhere. GL and best wishes for 2001.

73,

--Doc/K0EVZ

-----  
Date: Fri, 12 Jan 2001 12:13:42 -0800  
From: Wayne Burdick <n6kr@elecraft.com>  
To: ki6ds@dph.dpol.net, qrp <qrp-1@lehigh.edu>  
Subject: [88465] Re: Need K1 Receiver Data from Builders  
Message-ID: <3A5F6570.4F8B8D7B@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Doug,

Even though you didn't provide a definition of levels ("strong signal" is subjective), your survey will probably point out an interesting fact that many people don't know: with any rig that uses an class AB/B audio amplifier, current drain on receive will go up when listening to very strong signals, whether headphones or speaker are used.

It would be interesting to extend the survey to other transceivers, e.g. NC20, RH40, SST. But in all cases, it will be comparing apples and oranges unless the measurements of signal level are made *at* the load. This is partly because some rigs may use series limiting resistors at the headphones (the K1 doesn't).

In the case of the K1, I'd expect 55 mA average with no signal. With headphones, it will probably be 55-70 mA, strongly dependent on what "strong signal" level people choose, and on their chosen headphone impedance. With the speaker, I'd expect 80-120 mA.

In the real world, current drain when using headphones will average very close to the no-signal level. That's because average volume levels incurred listening to ham signals are way below the peak volume levels (if they weren't, you'd go deaf!).

So, you might ask respondents to note their *average* current drain over some amount of listening time--say several minutes. I usually measure current drain indirectly using a 1-ohm resistor in series with the power supply, and set the DMM for millivolts, measured across the resistor. 1 millivolt = 1 mA. For long-term average measurements, I like to add a 2200-uF, 25-volt electrolytic capacitor across the rig's power-supply terminals. This smoothes out the readings.

Results will be similar for all rigs that use LM380/386 and similar audio amplifiers. If, like the K2, they use series limiting resistors at the headphone jack, the volume control settings will be much higher for a given signal level--you don't get something for nothing. This highlights the need to define signals in terms of their measured AC RMS

or p-p voltage \*at\* the load.

73,  
Wayne  
N6KR

-----  
Date: Fri, 12 Jan 2001 12:16:05 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [88466] Re: Need K1 Receiver Data from Builders  
Message-ID: <3A5F6605.F27D209D@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Doug,

I see the following typical K1 RX peak signal current ranges (Supply V=13.8V):

No Signal Headphones = 56 - 60 mA  
Strong Signal Headphones = 58 - 78 mA depending on sig level and headphones.  
(Comfortable headphone RX levels on my K1 use around 60 mA peak.) This will also vary depending upon the impedance of your headphones, their efficiency and the power supply voltage (less voltage = more current.)

No Signal Speaker = 56 - 60 mA.  
Strong Signal Speaker = 80-120 mA. on peaks for -very- loud signals.  
The extra mass of the speaker and the job of filling the room with ear shattering levels requires the extra current.

My 'comfortable' listening current for the speaker is usually around 70-80 mA peak. Average current draw of course is -much- less than the peak values since one rarely enjoys listening to loud continuous tones.

73, Eric WA6HHQ

=====  
KI6DS wrote:

Guys, I need your help. Those of you who have built the K1, would you please do a test for me. I need you to measure the current draw in the following situations.

-----

Date: Fri, 12 Jan 2001 20:23:05 -0800  
From: KB7WW Art Moe <kb7ww@chatusa.com>  
To: qrp <qrp-1@lehigh.edu>, qrp <qrp-1@lehigh.edu>, 70511.3041@compuserve.com, aweiss@usd.edu  
Subject: [88467] [Fwd: MI-QRP CW Contest]  
Message-ID: <3A5FD829.20FAF0A4@chatusa.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This was posted yesterday.

Art  
KB7WW

----- Original Message -----

From: Buck Switzer <n8cqa@tir.com>  
Subject: MI-QRP CW Contest  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Gang - The MI-QRP CW Contest, scheduled for this weekend (01-13-01), MUST be moved to the weekend of 01-20-01, due to the NAQP CW contest moving into this coming weekend. In previous years, we have found the conflict with this nation-wide contest impossible to overcome!!

Please let everyone who might be interested in participating know about this date change!!!

73 Buck N8CQA

-----  
Date: Fri, 12 Jan 2001 12:29:38 -0800  
From: Phil Wheeler <w7ox@earthlink.net>  
To: jennings@eng14.rochny.uspra.abb.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [88468] Re: Atomic Clock Question  
Message-ID: <3A5F6932.DF12484B@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thomas Jennings wrote:

>  
> Guys,

> Santa Claus gave me an Atomic Wall clock. Just to check its accuracy  
> I compared the time with 10 MHz WWV time. I found that the time on the  
> wall clock could be off by as much as 15 seconds. This looks like the  
> clock's internal time base is not very stable.  
> Is this kind of behavior to be expected?

No .. I have two RS units (\$29 or so) and they sync fast and accurately.

Phil W70X

-----  
Date: Fri, 12 Jan 2001 12:30:23 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>  
Subject: [88469] Definitions of RX Blocking and IMD Dynamic Range.  
Message-ID: <3A5F695F.997EEDAB@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael posted a -great- definition of these terms on the topband list:

=====

From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
Date: Fri, 12 Jan 2001 09:41:25 -0500  
Cc: "'topband@contesting.com'" <topband@contesting.com>

W5PR:

> I read this with interest, but I would like to know what it means  
> more in layman's terms. What is "BDR" and "IMD DR"?

Chuck,

That's a good point! :-)) Since these things are quite significant to  
160, I'll try to explain:

Dynamic range in general is the difference between the weakest signal that  
can be perceived and the strongest signal that can be present without  
adversely effecting the weakest signal.

In the case of ham rigs, the weakest signal is generally considered to be  
one that is equal in power to the receiver's internal noise, although most  
folks can pick out weaker signals using the "filter" between their ears.

BDR stands for Blocking Dynamic Range and it refers to a condition where the  
weak signal is "blocked" or suppressed. In layman's terms, you'll often

hear this described as "desense" because it reduces the effective sensitivity of the receiver.

BDR as a lab measurement normally refers to the point where the weak (presumed desired) signal is reduced by one dB by the presence of a strong (presumed undesired) nearby signal. The frequency difference between the two is the "spacing". The blocking dynamic range is a measure of the difference between the receiver's noise floor and the level of the signal that caused the blocking condition.

A "noise-limited" measurement means that the undesired "blocking" signal caused an increase in receiver noise output before the "desense" effect was observed. Usually this is caused by interaction of the signal with the phase noise of the internal oscillators (phase noise being energy that every oscillator has close to its desired output frequency) - that's why rigs with a high transmit composite noise (most of which is phase noise usually) often also have noise-limited dynamic range measurements.

Some folks consider this to mean that a "real" BDR measurement can not be made for that rig, but in the ARRL Lab we believe that the effective blocking dynamic range on a noise-limited measurement is where the noise increases by 1 dB, which is the same change in the signal to noise ratio that you get when the signal decreases by 1 dB.

So if you see a rig where the sensitivity (aka MDS) is -140 dBm (which is dB relative to a mW, in case anyone didn't know) and it has a 20-kHz spacing blocking dynamic range of 125 dB, that tells you the level of signal that caused blocking 20-kHz away was -15 dBm. Now, all S-meters are different, but it is convenient to use the Collins standard for discussion purposes. In that standard, S9 = -73 dBm (or 50 microvolts, assuming a 50-ohm system). Therefore, -15 dBm would be about S9+60. Quite a strong signal, but certainly not unheard of and many rigs don't have a BDR that high.

Intermodulation is when two or more signals mix, creating false signals that aren't really there. These false signals are referred to as intermodulation distortion (IMD). For lab testing purposes, it is most convenient to use only two signals (requires the fewest expensive generators) for this test.

IMD dynamic range is the difference between the receiver's noise floor and the level of two nearby signals that caused a false signal to appear right where we are trying to listen. The process of mixing makes the highest such false signals appear at a frequency spacing equal to the difference of the two signals. If you are listening on 1820 kHz and you have strong signals at 1840 and 1860 kHz, you will hear a false signal, since the two are spaced 20 kHz apart and you are 20 kHz below the "lower" one. Someone listening on 1880 will also hear the same false signals.

As with BDR, IMD DR can also be noise-limited. In this case, the effect on the frequency you are trying to listen to is being created entirely by the

interaction of the nearest strong signal and the receiver's phase noise and oscillators. Sometimes the result is just an increase in noise and sometimes it can be a signal. However, in both cases, the more "distant" generator is turned off when the IMD is observed and you would find the IMD is still there. In the case of non-noise limited measurements, if you remove either signal, the IMD goes away.

Now, the important thing to note is that these lab measurements don't exactly duplicate real-world conditions because only unmodulated carriers are used and you usually find more than two signals near the one you are trying to listen to. However, they are a good yardstick for comparing real-world performance of different radios.

73, Michael, KC1SX

(I think maybe I should collect these posts together for a web page...)

-----  
Date: Fri, 12 Jan 2001 14:52:21 -0600  
From: "John Burnley" <JBurnley@ifmc.org>  
To: <qrp-1@lehigh.edu>  
Subject: [88470] OT: Altoids 'Love Tin'  
Message-ID: <sa5f1a34.078@IAWEB01.ifmc.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Hi gang, just saw the next generation of Altoids QRP cases. The latest is = heart shaped and is out for Valentines Day. It looks to be a bit bigger = (in area) than the regular tins and could make for some interesting = projects. Sounds like a valentines day rig contest to me. What do you = think? Who can come up with an original design (and heart shaped board = hi) to fit inside this puppy? Write it up as an article and we'll put it = in the Iowa QRP newsletter and make you an official member (if not = already).

72, John NU0V

-----  
Date: Fri, 12 Jan 2001 16:05:32 -0500  
From: "Buck Switzer" <n8cqa@tir.com>  
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88471] RE: MIQRP Contest this weekend????  
Message-ID: <NDBBKHKOKMLHEEHPLCDPPIEGECEAA.n8cqa@tir.com>



MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ade and all - Due to conflict with the NAQP CW 'test. We are moving MI QRP CW 'test to the weekend of the 20th/21st.  
Same rules & times. Hope to work many of you. By the way, the conflict was my fault not the NAQP guys, I got the CW and SSB dates reversed and didn't double check with them! I now have their dates through 2008!!!! We DO NOT want to be on the same weekend as NAQP!

72/73 Buck N8CQA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Adrian Weiss  
Sent: 12 January, 2001 1:40 PM  
To: Low Power Amateur Radio Discussion  
Subject: MIQRP Contest this weekend????

Isn't the MIQRP Contest on this weekend Jan 13/14???

72, Ade

-----  
Date: Fri, 12 Jan 2001 16:07:42 -0500  
From: "Buck Switzer" <n8cqa@tir.com>  
To: <70511.3041@compuserve.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: <n8cqa@tir.com>  
Subject: [88472] RE: MIQRP Contest this weekend????  
Message-ID: <NDBBKHKMLHEEHPLCDPPMEGECEAA.n8cqa@tir.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Doc - Please re-check K2CQ's page. We've changed to the 20th & 21st to avoid the NAQP CW 'test. Same time & hours & rules, different weekend. Hope to work you.

73 Buck N8CQA  
MI-QRP Club Contest Chair

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Wilford D. Lindsey  
Sent: 12 January, 2001 3:02 PM  
To: Low Power Amateur Radio Discussion  
Subject: MIQRP Contest this weekend????

Ade:

Yep, and here is the info which I copied from Ken Newman K2CQ:

>>Michigan QRP Club Contest (CW) ... QRP Contest!

Jan 13 - 1200z to Jan 14 - 2359z

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>

"Excellent QRP-ARCI Contest Training Session"<<

Maybe I will hear you on there somewhere. GL and best wishes for 2001.

73,

--Doc/K0EVZ

-----  
Date: Fri, 12 Jan 2001 14:06:48 -0700  
From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>  
To: "'QRP-l Messages'" <qrp-l@lehigh.EDU>  
Subject: [88473] FOX: KF4AR Foxi propagation  
Message-ID: <5899595F9867D311BC0A00805F57884D01FB6065@copland.tci.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Hi all.

When Rick was on for his first run as Fox, I was left out in the cold with no pelt. Just couldn't seem to hear him well enough to take many shots.

Last night started the same way but a little before 03:00 his signal began it rise up out of the noise and peaked at S7 about 03:30 UTC. In switching between the normally productive Windom antenna to a HB 1/4 vertical, the vertical was consistently better on his signal. The difference between the antennas was considerably greater last night than normal.

Many hounds were heard until the last 30 minutes when about the only signals heard were the Fox, N4ROA, N6WG, WE6W and K6ABC. Dan, N4ROA was the strongest at a constant S9 and the others were S5 to S7 with a S4 noise level. At one point Rick worked several Colorado stations within a short time frame with AB0CD being the last one I remember.

This was like a ring side seat at a hockey game where the players stand in front of their goal and shoot at the goal at the other end of the Rink.... A lot of shooting and not much scoring.... I think all the "6" stations finally managed to connect and N4ROA was still banging away. Rick would call "QRZ FOX de KF4AR" and Dan would answer with N4ROA over and over. Both had a good supply of ammo and kept going until 04:00 when a eerie silence settled over the frequency except for the KC8... who had been calling CQ there for a while unaware of a gigantic struggle going on around him/her.

Another Fox Hunt fades away and the band sounds the same. Unless you "saw" it you would never know.

72 Ron ki0ii

-----  
Date: Fri, 12 Jan 2001 21:02:33 +0000  
From: nilsbull@juno.com  
To: QRP-L@lehigh.edu  
Subject: [88474] And now to the digits again . . .  
Message-ID: <20010112.210246.-391491.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Gang,

Please Lord "Bob" Save me! I've downloaded a new RTTY program & have been reacquainting myself with something that I did for my entire USN enlistment & some. That's over 25 years ago. I used to get off watch, take a shower & fall into my rack & have dreams in which no one spoke. There was just this big green keyboard in front of me & whatever someone wanted to say they had to spell it out.

And we all know that the part of your brain that does the literacy act goes to sleep when you do.

So it was like some kind of pagan torture. Ayeeeeee!

This in addition to PSK & Hell . . . both of which are interesting in

their own right (or left) minds. All I have to do now is figure out why my tx signal tones do not match the tones of the station I'm reading. And this is real reading, peeps. Only without the huge boxes of paper & all them burn bags goin' down to the incinerator under armed guard.

I remember sittin' in front of the TGO terminal with my happy blinkin' crypto light & all that stuff, showing one of the other swabbies a page in Ham Radio Magazine (this around 1971 or very early 1972) where a note told of someone who had just sent a video image using a primitive CCD to take a picture of his QSL card or something. I looked at one of the guys and said "This is the end of paper tape." Someday and none too soon, I remember thinking, all this will be terminals with LCD panels & the RATT (USN terminology for RTTY) would be old fashion in the dumpster. All restricted men muster with the duty master at arms on the starboard elevator aft.

Yeah, I know. It's been around for decades. Where you been old man? But what the heck.

Amazing. What a load of memories this brings up.

See youse on the screen. (And what is that piccolo soundin' stuff? Do I really need that one T00?)

73

Nils

. . . and I still remember all those routing indicators . . . wonder what happened to all of that with the Internet kickin' in . . . I hear you can get your email on shipboard now . . . like juno.com or something . . . properly vetted by the NSA too, I'd bet . . .

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we had to FIGHT to have earphones! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

-----  
GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----

Date: Fri, 12 Jan 2001 16:37:47 EST  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@lehigh.edu  
Cc: kh6afq@juno.com, samie@lava.net, ah6hn@arrl.org  
Subject: [88475] Re: MIQRP Contest this weekend????  
Message-ID: <20010112.114021.5391.0.kh6b@juno.com>

Hi Buck and List,

I'll try to get active in the contest from Samoa/5W-Land.  
No license yet, but trying for either 5W0B or 5W0DM.  
I should be active, mostly on/near CW QRP frequencies  
20 thru 28 January 2001, from Apia, Samoa. Should I  
"break camp" earlier, then maybe active 27-28 January  
from American Samoa: KH6B/KH8.

I'll have my K2 with Pixie 2 backup rigs, plus assortment  
of antennas. I leave Hilo via Honolulu, late Friday 12 January.

I may even try the 160m contest from the South Pacific  
27-28 January. :-)

Aloha,

Dean KH6B  
Hilo Hawaii

We are moving MI QRP  
>CW 'test to the weekend of the 20th/21st.  
>Same rules & times. Hope to work many of you.  
>72/73 Buck N8CQA

-----  
Date: Fri, 12 Jan 2001 16:43:47 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <JBurnley@ifmc.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88476] QRO Altoids Tin  
Message-ID: <000f01c07ce0\$c41c9560\$010044c0@baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Santa brought me a QRO Altoids tin. This beast has over a quarter kilo of  
Cinnamon Altoids in it (my favorite). It's about 200x110x30mm. Now, if I  
ever get the thing empty, what should I build in it? I has a sort of ugly  
rounded top, but a person could ALMOST get a 2N2/40 into it!

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "John Burnley" <JBurnley@ifmc.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 12, 2001 3:52 PM  
Subject: OT: Altoids 'Love Tin'

> Hi gang, just saw the next generation of Altoids QRP cases. The latest is heart shaped and is out for Valentines Day. It looks to be a bit bigger (in area) than the regular tins and could make for some interesting projects. Sounds like a valentines day rig contest to me. What do you think? Who can come up with an original design (and heart shaped board hi) to fit inside this puppy? Write it up as an article and we'll put it in the Iowa QRP newsletter and make you an official member (if not already).

>

>

> 72, John NU0V

>

-----  
Date: Fri, 12 Jan 2001 16:54:22 EST  
From: KF4YYD@aol.com  
To: <qrp-l@lehigh.edu>  
Subject: [88477] Re: Atomic Clock Question  
Message-ID: <18.759a225.2790d70e@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

In a message dated Fri, 12 Jan 2001 1:38:09 PM Eastern Standard Time, "John J. McDonough" <wb8rcr@arrl.net> writes:

<<Anyway, I also synch my 'puter to the NIS online standard, and my watch (one of those Timex datalink thingies) gets synched to the computer.>>

My computer must have a crap clock, I downloaded the sync software from the NIST website and sync'd my tube with it. The first time it was off by 17 sec. I re-synch'd about 5 min. later and it was too small a difference to worry about. It's been five days and after reading this thread checked again, back to 17 plus sec.!!

Tom, kf4yyd

"Nothing is foolproof to a sufficiently talented fool."

-----  
Date: Fri, 12 Jan 2001 16:56:37 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88478] Re: Atomic Clock Question  
Message-ID: <Pine.GS0.3.96.1010112165412.10804A-1000000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tom -

I have an atomic alarm clock (by Emmerson) in my shack, and it is usually within 1/2 second of the WWV announcement. It is capable of picking up the signal from down in my basement, so I think that it usually synchs correctly.

- Rich Meiss, WB9LPU

On Fri, 12 Jan 2001, Thomas Jennings wrote:

> Guys,  
> Santa Claus gave me an Atomic Wall clock. Just to check its accuracy  
> I compared the time with 10 MHz WWV time. I found that the time on the  
> wall clock could be off by as much as 15 seconds. This looks like the  
> clock's internal time base is not very stable.  
> Is this kind of behavior to be expected?  
> It's my opinion that the clock should never be off any more than a half  
> second.  
> I beleive the clock synchs up with WWVB sometime between Midnight and 6  
> am local time.  
>  
> What is the group's experience with these things?  
>  
> BTW it cost me about \$65 total.  
>  
> Thanks es 73  
>  
> Tom, kv2x  
>  
>

-----  
Date: Fri, 12 Jan 2001 17:03:07 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <KF4YYD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88479] Re: Atomic Clock Question  
Message-ID: <001b01c07ce3\$76cada80\$010044c0@baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My computer clock drifts some, but the software I use (WorldTime - kind of an old version) synchs every so often. If I turn it off then the computer clock will move by more than a few seconds a day. This isn't unusual - most PC clocks are pretty awful.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <KF4YYD@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 12, 2001 4:54 PM  
Subject: Re: Atomic Clock Question

> In a message dated Fri, 12 Jan 2001 1:38:09 PM Eastern Standard Time,  
> "John J. McDonough" <wb8rcr@arrl.net> writes:  
>  
> <<Anyway, I also synch my 'puter to the NIS online standard, and my watch  
> (one  
> of those Timex datalink thingies) gets synched to the computer.>>  
>  
> My computer must have a crap clock, I downloaded the sync software from  
> the NIST website and sync'd my tube with it. The first time it was off by 17  
> sec. I re-sync'd about 5 min. later and it was too small a difference to  
> worry about. It's been five days and after reading this thread checked  
> again, back to 17 plus sec.!!  
>  
> Tom, kf4yyd  
>  
> "Nothing is foolproof to a sufficiently talented fool."  
>  
>



-----  
Date: Fri, 12 Jan 2001 15:14:15 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-1@lehigh.edu>  
Subject: [88480] FOX Final Log for Jan 11 Cub Hunt  
Message-ID: <Pine.LNX.4.31.0101121512110.796-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is the final log for the indicated date below. I want to thank again all of you who gave me corrections to your entry. Next time I will strive to copy better.

It was sure fun and I recommend everyone be a Fox at least once or twice.

January 11 2001 0200-0400 UTC

Time	Call	Report	State	Name	Power
0203	W0CH	579	MO	DAVE	500MW
0205	W9DND	559	MN	JOHN	5W
0207	K5OI	599	NM	TIM	500MW
0209	K0EVZ	569	ND	DOC	5W
0210	KK5LD	559	TX	DAN	5W
0212	N1TP	599	FL	TOM	5W
0214	W9WIS	559	WI	MIKE	5W
0215	KJ0C	589	MO	JIM	5W
0218	WA7TQK	579	ID	BILL	5W
0221	K4BYF	559	FL	JACK	5W
0223	KC1FB	559	CT	JIM	5W
0227	AA7XA	559	OR	FRANK	5W
0229	AB8DF	579	MI	ED	5W
0231	K5DW	579	TX	DAN	5W
0233	WE6W	599	CA	ED	5W
0237	W2XN	579	FL	FRED	5W
0239	KV4TN	559	VA	JAMES	1W
0242	AF4PS	579	FL	MAC	4W
0245	AB5XQ	559	AR	BILL	5W
0248	N4ROA	559	VA	DAN	4W
0250	W8YMO	559	OH	HARRY	5W
0254	WE9K	459	WI	GLENN	5W
0256	W3PNL	559	PA	JOE	3W
0258	WB7AEI	589	WA	PHIL	1W

0300 K9IVA	559	ND	KEVIN	5W
0302 WR50 579	TX	DAVE	5W	
0303 N5IB 559	LA	JIM	5W	
0306 WD5CMA	559	LA	GLORIA	500MW
0312 W6ABC	559	CA	JACK	5W
0314 N1ODL	559	NH	RON	5W
0316 N4SO 599	AL	KEN	5W	
0318 KE6RS	559	CA	RON	5W
0320 AF4LQ	569	KY	IKE	5W
0324 AD6JY	579	CA	NAT	5W
0325 K4TJD	559	GA	TOM	5W
0329 KB3EOF	559	MD	SANDY	5W
0342 WK6I 559	CA	JEFF	5W	
0346 KG6CYN	559	CA	TREVOR	5W
0000 K5DI/FOX	NM	KARL	5W	

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Fri, 12 Jan 2001 14:17:21 -0800 (PST)  
 From: Jim Hale <kj5tf@yahoo.com>  
 To: QRP-L <qrp-l@Lehigh.EDU>  
 Subject: [88481] eQSL's and log conversion utility  
 Message-ID: <20010112221721.67256.qmail@web10008.mail.yahoo.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii

I had a nice psk31 QSO this morning on 10M with an Italian station. My power was a cool 750mW and got a 519.

He mentioned I could QSL him via eQSL so after the QSO I checked it out.

So today I signed up for eQSL service. There were a half dozen QSL's waiting for me, and I had no idea.

If you want to join or just check for QSL's go to [www.eqsl.org](http://www.eqsl.org)

Its totally free, you can design a QSL card online and by clicking buttons take care of business.

I use Logger and it will export my logs to a ADIF file

and this can be uploaded to eQSL online and your QSL card will be sent for all QSO's. If they are a member, BINGO! If not the "QSL cards" will be waiting for them.

Also found a Log Conversion program that will allow this with other logging programs.

<http://www.qsl.net/ka5wss/logconv/>

Pass the word around, I'm sure not everyone's heard of it. I think I'll add a link to my webpage to alert visitors that they can QSL me that way. Might save me allot of stamps! And some IRC's too.

72's de Jim KJ5TF

"All Milliwatts All The Time"

=====

<http://www.madisoncounty.net/~kj5tf/>

Milliwatting Editor ARCI QRP Quarterly

Join/renew membership QRP Amateur Radio Club International

<http://www.qrparci.org/arcijoin.html>

AR QRP#2 - Kingston, Arkansas 35.94N 93.47W

Private email [kj5tf@madisoncounty.net](mailto:kj5tf@madisoncounty.net)

-----  
Do You Yahoo!?

Yahoo! Photos - Share your holiday photos online!

<http://photos.yahoo.com/>

-----

Date: Fri, 12 Jan 2001 15:32:48 -0700

From: Andrew Madsen <[andrew@utahdesign.com](mailto:andrew@utahdesign.com)>

To: [qrp-L@lehigh.EDU](mailto:qrp-L@lehigh.EDU)

Subject: [88482] DSW-20 Almost gone

Message-ID: <3A5F8610.A08DFF95@utahdesign.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Only about 20 minutes left in my auction for a DSW-20. If you bid now (and are the high bidder), you have a very good chance of winning the auction!

--

73,

Andrew Madsen AC7CF

ac7cf@qsl.net  
http://www.qsl.net/ac7cf  
AOL IM: ac7cf  
FISTS nr. 7439 | QRP-L nr. 2180  
FPQRP#-71 | A.R.S nr. 738  
SOC #376 | UARC | ARRL  
Norcal | NOGAQRP | NJQRP

-----  
Date: Fri, 12 Jan 2001 16:38:54 -0600  
From: david gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [88483] Re: Arkiecon 2001  
Message-ID: <5.0.2.1.0.20010112161734.01d1bb30@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy,

Whatever has been said so far about Arkiecon I can double and still miss the mark. It was great weekend for everyone attending in 2000.

Radio is the topic for discussion. The adjoining hamfest is first-class and you will meet and enjoy the company of some great folks. The locals as well as those driving in from far away places. For our grizzled veterans it's like Pacificon and Atlanticon now, and like Dayton used to be.

Jay Bromley and friends do a super job planning and managing the weekend. I was honored to be a guest speaker last year and recall my time in Ft. Smith with a certain fondness.

If my schedule works out, I hope to drive down this year and drag a couple of St. Louis QRP Society refugees along with me.

Hope to see you there!

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Fri, 12 Jan 2001 17:54:44 -0500  
From: "ZOOM" <kandRparker@sympatico.ca>  
To: <david.gauding@bbs.galilei.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88484] Disturbing  
Message-ID: <007401c07cea\$a7f337e0\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was looking at e-bay as I like to do to see how much people are willing to overpay for gear when I came across the following!  
<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1207409934>  
To add insult to injury, It doesn't even work!

Obviously this gentleman has not done his homework and determined a reasonable asking price.

-----  
Date: Fri, 12 Jan 2001 17:57:35 -0500  
From: "Pastor-KC1DI" <elbc@pivot.net>  
To: <kj5tf@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88485] Re: eQSL's and log conversion utility  
Message-ID: <004c01c07ceb\$0e7ce9c0\$b97961ce@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Jim Hale" <kj5tf@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 12, 2001 5:17 PM  
Subject: eQSL's and log conversion utility

> I had a nice psk31 QSO this morning on 10M with an  
> Italian station. My power was a cool 750mW and got a  
> 519.

> He mentioned I could QSL him via eQSL so after the QSO  
> I checked it out.  
>  
> So today I signed up for eQSL service. There were a  
> half dozen QSL's waiting for me, and I had no idea.  
>  
> If you want to join or just check for QSL's go to  
> [www.eqsl.org](http://www.eqsl.org)  
>  
> Its totally free, you can design a QSL card online and  
> by clicking buttons take care of business.  
>  
> I use Logger and it will export my logs to a ADIF file  
> and this can be uploaded to eQSL online and your QSL  
> card will be sent for all QSO's. If they are a member,  
> BINGO! If not the "QSL cards" will be waiting for  
> them.  
>  
> Also found a Log Conversion program that will allow  
> this with other logging programs.  
> <http://www.qsl.net/ka5wss/logconv/>  
>  
> Pass the word around, I'm sure not everyone's heard of  
> it. I think I'll add a link to my webpage to alert  
> visitors that they can QSL me that way. Might save me  
> allot of stamps! And some IRC's too.  
>  
> 72's de Jim KJ5TF

Just a side not to Jim's post if you use Digipan you can also export the Log  
book in DigiPan in Adif format and upload to Eqs1 works great  
73 dave Kc1di

-----  
Date: Fri, 12 Jan 2001 23:00:49 +0000  
From: "Rich Dailey, KA8OKH" <[okh.npi@gte.net](mailto:okh.npi@gte.net)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [88486] Miles per watt @ 2.4 ghz?  
Message-ID: <3.0.32.20010112033225.0068deac@mail.gte.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Any record of 2.4 gig mpw (excluding eme or satellite)?

tu de Rich, KA80KH

-----  
Date: Fri, 12 Jan 2001 18:14:35 -0500  
From: "ZOOM" <kandRparker@sympatico.ca>  
To: <kandRparker@sympatico.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88487] NEED AN ONLINE MANUAL?  
Message-ID: <009e01c07ced\$6e021ee0\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here is a great site for manuals.  
Some may already know about it but for the rest here you go!  
<http://bama.sbc.edu/>

-----  
Date: Fri, 12 Jan 2001 16:38:53 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu  
Cc: "Prof. Arnaldo Coro Antich" <inforhc@ip.etecca.cu>  
Subject: [88488] [PROP] Weekend Outlook  
Message-ID: <Pine.SUN.4.10.10101121610370.3889-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The sun remains very quiet. As a result, band conditions have been as well. Solar flux hits a high and a low value about every 28-days as a function of the sun's rotation. We are just now coming out of the solar flux minimum, so the next two weeks will see higher values. The past 3-4 cycles have been kind of "mushy," hitting 150's or below on the minimum and barely 200 for the peak solar flux. But this last minimum floated around 165-170 for days. Now it's going back up. This \*might\* indicate this solar rotation could see solar fluxes well above 200 for excellent conditions on 17M-10M.

For a graphical representation of the past two solar flux rotations,

see:

[www.dx1c.com/solar](http://www.dx1c.com/solar)

FOR THIS WEEKEND ... all of the bands should be in pretty good shape. Solar flux will be in the 170's this weekend to support good DX on 30M to 10M, and even better by next weekend. Who knows where we are in the current solar cycle, but the next two weeks is definitely worth getting on the air for some good 10M work.

40M will likewise be exceptional for both DX and fairly quiet conditions due to our geomagnetic field being exceptionally quiet for about 2 weeks. A indices have been single digits for 2 weeks.

So get on the air this weekend, 20M and above during the day light hours, and 20M and below at night. 15M should remain open well after sundown. Checkout your blocking dynamic range and current draws with some REAL signals! And if the California utilities trip off-line this weekend, 40M will be even quieter. Do that 30M propagation study thing. Have so many QSO's, you'll loose count (our Florida QRP friends will be glad to help you count them ... again and again and ....). [sorry]. I plan on some quality airtime myself this weekend.

Have a nice weekend everyone, whatever you decide to do.

72, Paul NA5N

-----

> Joint USAF/NOAA Report of Solar and Geophysical Activity  
> SDF Number 012 Issued at 2200Z on 12 Jan 2001

> IA. Analysis of Solar Active Regions and Activity from 11/2100Z  
> to 12/2100Z: Solar activity was low. Only three isolated C-class  
> events occurred during the period.

C-class are fairly small flares, seldom causing any radio problems on Earth.

> IB. Solar Activity Forecast: Solar activity is expected to be low  
> with isolated M-class events possible.

M-class are the larger (Medium) flares that can cause disturbances. They are being forecasted, only because of several active regions that could develop, but so far they're pretty benign.

> IIA. Geophysical Activity Summary 11/2100Z to 12/2100Z:  
> The geomagnetic field was mostly quiet to unsettled with a single  
> mid-latitude active period occurring at 12/0300-0600 UTC.



Due to a slight increase in the solar wind, pretty typical of the Earth crossing a small coronal hole stream. No biggie.

> IIB. Geophysical Activity Forecast: The geomagnetic field is  
> expected to be quiet to active.

An active period or two, only if we encounter more effects of a coronal hole. But this is not storm conditions, just a slight elevation of noise on the lower bands, and even there, only while our side of the earth is facing the sun (i.e., daylight hours). Evening hours will return to QUIET conditions.

> IV. Penticton 10.7 cm Flux  
> Observed 12 Jan 178 <----- friday's solar flux  
> Predicted 13 Jan-15 Jan 175/180/185 <---- sat, sun and monday

> V. Geomagnetic A Indices  
> Observed Afr/Ap 11 Jan 004/005  
> Estimated Afr/Ap 12 Jan 010/010  
> Predicted Afr/Ap 13 Jan-15 Jan 012/012-010/012-005/005

-----  
Date: Fri, 12 Jan 2001 18:39:53 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Adrian Weiss <aweiss@usd.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [88489] Re: MIQRP Contest this weekend????  
Message-ID: <Pine.3.89.10101121814.B28453-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Jan 2001, Adrian Weiss wrote:

>  
> Isn't the MIQRP Contest on this weekend Jan 13/14???  
>  
Got moved to the next weekend due to conflict with NAQP CW...

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

QRP ARCI #3412      FISTS #7871      ARS #799      SOC #1      Whiners #6

-----  
Date: Fri, 12 Jan 2001 05:12:05 -0600  
From: Oscar A Hoyt <k5ubs@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88490] Teflon wire stripping  
Message-ID: <20010112.055149.-108839.0.k5ubs@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I have a good supply of Teflon insulated hook up wire which I like because of the no melting thing.  
The way I found to strip it (this is solid not stranded) is to pinch it with my long nose pliers, this cuts it long ways and gives me two pig tails which I cut off with wire cutters. This does not appear to nick the wire at all. Just pinch it for the length you want stripped.  
Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC  
# 303 . . . . . 303

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 12 Jan 2001 16:26:28 -0700  
From: Bruce Grubbs <n7ceeqr@earthlink.net>  
To: w7ox@earthlink.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [88491] Re: "QRP" becomes official California state policy  
Message-ID: <5.0.2.1.0.20010112162413.00a8d318@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

There \_are\_ QRP computers. For years I've used my trusty Hewlitt-Packard HP100LX for contest logging and many other tasks. It runs for weeks on 2 AA's. Then there's the Palm devices. The one I got for Christmas is still going strong on 2 AAA's. Too bad there's no logging software for the Palm, as of yet.

73,

-----

not yet

----- Original Message -----

> I think Chuckie Schumer and Diane Feinswine had them outlawed.

>  
> 72

```
>
>
> > What ever happend to the 44 Magnum, I really wanted
> > one of those kits but I just seem to go away.
```

```
> >
> >
> >
> > =====
> > 72 es CUL                      Jim, KU4QW
> > KU4QW@yahoo.com
> >
```

> > -----  
> > Do You Yahoo!?  
> > Yahoo! Photos - Share your holiday photos online!  
> > <http://photos.yahoo.com/>  
> >  
>  
>

Shop online without a credit card  
<http://www.rocketcash.com>  
RocketCash, a NetZero subsidiary

-----  
Date: Fri, 12 Jan 2001 15:54:38 -0800  
From: Anthony Felino <[anthony@pacinfosb.com](mailto:anthony@pacinfosb.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [88493] low-noise preamps  
Message-ID: <Chameleon.979343880.Anthony@afelino>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Have you seen the scheme where several transistors are used in parallel as the input stage to reduce the effect of base-spreading resistance? If you use 4 transistors the noise is reduced by a factor of 2, etc. I can find a PMI (now ADI) app note if you want.

73, WN6Q

"In learning about low-noise design, I've discovered that a major contributor to lousy noise figure is a transistor's base spreading resistance. This affects direct-conversion receiver audio preamps, where input source Z is 50 ohms. RF preamps too."

-----  
Anthony Felino, Pacific Information Design  
email: [anthony@pacinfosb.com](mailto:anthony@pacinfosb.com)  
telephone: (805) 730 1565, x25  
-----

-----  
End of QRP-L Digest 2065

\*\*\*\*\*

-----